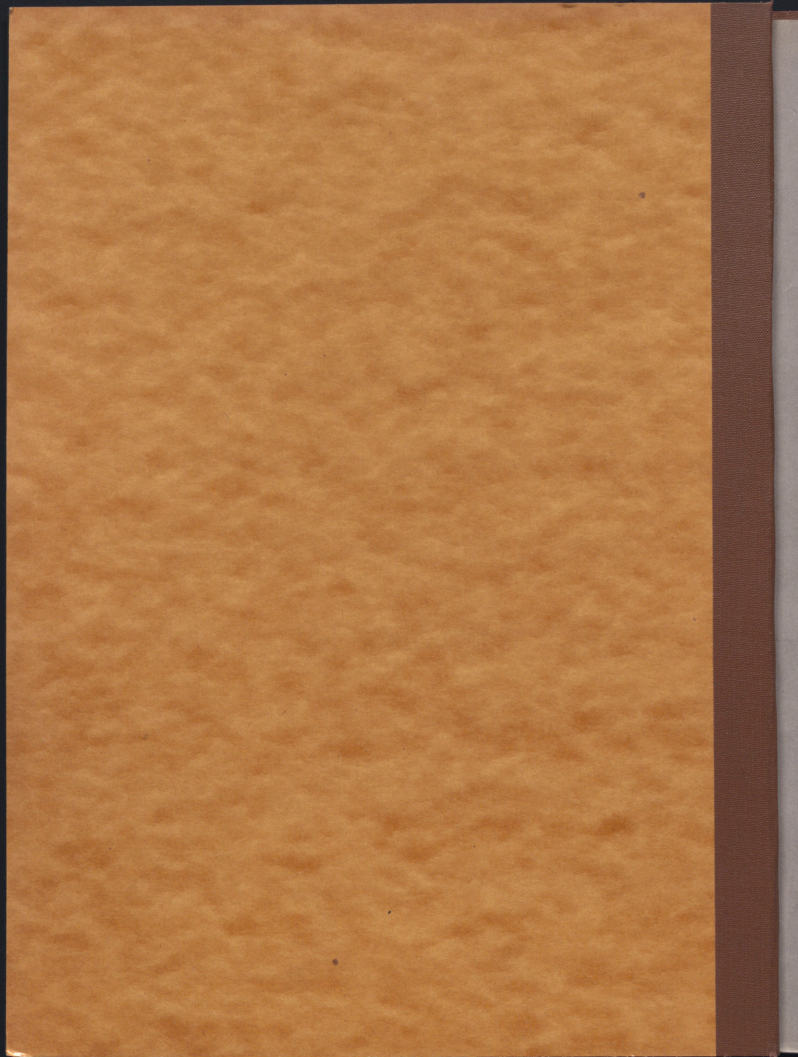


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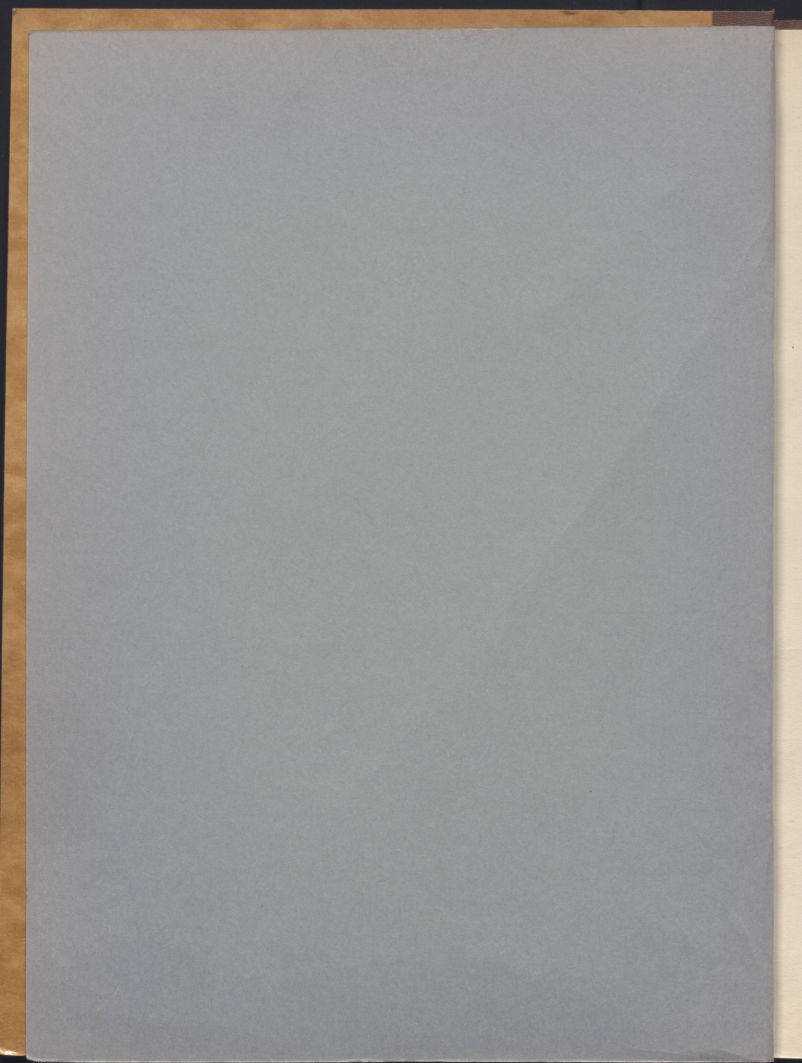
# **FAIRCHILD**

## **F-56 AIRCRAFT CAMERA**



**FAIRCHILD AVIATION CORPORATION**

88-06 VAN WYCK BLVD., JAMAICA, (NEW YORK), N. Y.



HANDBOOK OF INSTRUCTIONS  
For  
FAIRCHILD F-56 AIRCRAFT CAMERA

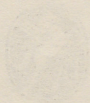


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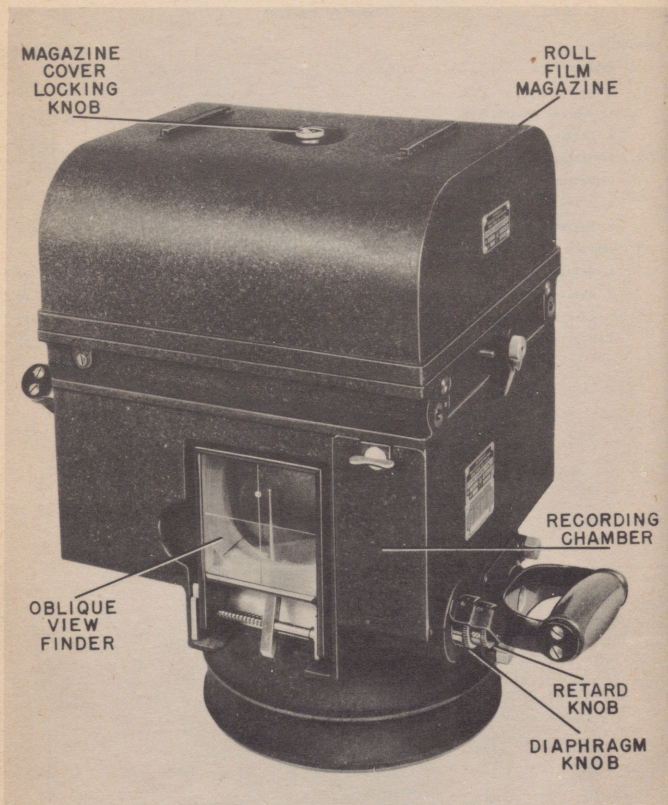


Figure 1 - Type F-56 8-1/4 inch Camera



SECTION I

INTRODUCTION

1. The Fairchild type F-56 aircraft camera has been designed as a recording type, quick-wind, automatic camera which is equally adaptable to oblique spotting and vertical mapping photography.
2. It can be operated manually or electrically.
3. The roll film magazines are interchangeable on the various focal length lens cones.
4. By assembling various combinations, the camera can be adapted to vertical mapping work and operated manually, or semi-automatically with electric winding, or fully automatically with electric winding and tripping in connection with an intervalometer.
5. The camera can also be adapted to oblique spotting work by attaching grip handles and operated manually, or semi-automatically with electric winding.

# SECTION II

## DESCRIPTION

### 1. GENERAL DESCRIPTION.

a. The type F-56 aircraft camera is available in two voltage types, namely: 12-volt d-c and 24-volt d-c.

b. The camera consists of a roll film magazine, a lens cone and shutter.

c. The lens cones are available in three different focal lengths, the shutters of which have the following speeds and diaphragm stops:

Focal Lengths, Inches	Shutter Speeds, Seconds	Diaphragm Stops
8-1/4	1/35 1/50 1/100 1/150	4, 5.6, 8, 11, 16, 22
8-1/4 *	1/75 1/150 1/225	4, 5.6, 8, 11, 16, 22
20	1/35 1/50 1/100 1/150	5.6, 8, 11, 16, 22
20 *	1/75 1/150 1/225	5.6, 8, 11, 16, 22
40	1/50 1/100 1/150	8, 11, 16, 22, 32

(\*) High Speed Shutters

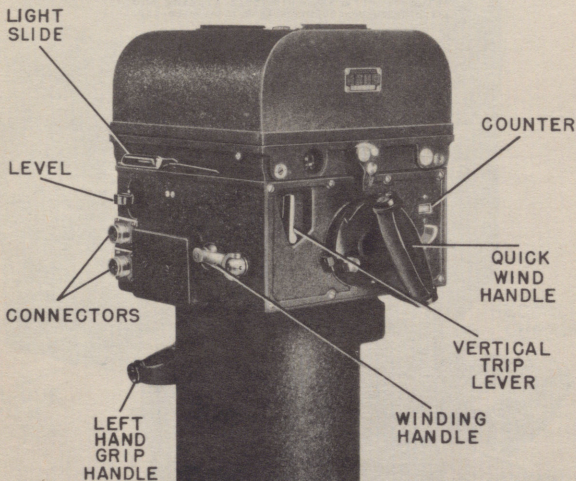


Figure 2 - Type F-56 20 Inch Camera

d. An intervalometer is provided for automatic operation.

e. Cables are provided for making the connections between the intervalometer, camera and power source.

f. Detachable photographic filters are provided for the lenses.

## 2. DETAILED DESCRIPTION.

a. **GENERAL.** - The standard type F-56 aircraft camera is composed of the following, each of which is herewith described in detail:

b. **ROLL FILM MAGAZINE.** - This magazine is a standard unit that is instantly interchangeable on all type F-56 aircraft cameras. It accommodates a 125-foot length of film 7 inches wide, having a 6-foot leader and a 6-foot trailer, which is sufficient to give approximately 200 negatives each measuring 6-5/8 x 7 inches. Rolls of shorter length can also be accommodated. The magazine is equipped with a light slide, a film indicator, a vacuum back, and an indicator for showing the movement of the film during the winding operation. Reference indexes are provided on the edges of the focal plane opening, to indicate the center of the negative, and the direction of the line of flight.

c. **LENS CONE.** - The lens cone contains the lens shutter, retard knob, diaphragm knob, drive, quick-wind handle, winding handle, left hand grip handle, oblique trip lever, vertical trip lever, oblique viewfinder, recording chamber, level, counter, motor, battery and sockets.

d. **DRIVE.** - The drive is the camera mechanism for winding and tripping the shutter and winding the roll film magazine. It also actuates the counter. It contains a solenoid for the automatic tripping of the camera. The drive may be wound by the quick-wind handle, the winding handle, or the motor.

e. **QUICK-WIND HANDLE.** - The quick-wind handle is a combination grip and winding handle and is demountable. Twisting same forward (clockwise) and then backward (counter-clockwise) constitutes a complete cycle of the winding operation.

f. **WINDING HANDLE.** - The winding handle is used in vertical photography for winding the camera.

g. **LEFT HAND GRIP HANDLE.** - The left hand grip handle is demountable.

h. **OBLIQUE TRIP LEVER.** - The oblique trip lever is used in oblique photography.

i. **VERTICAL TRIP LEVER.** - The vertical trip lever is used in vertical photography.

j. **OBLIQUE VIEWFINDER.** - The oblique viewfinder is used in oblique photography, and it

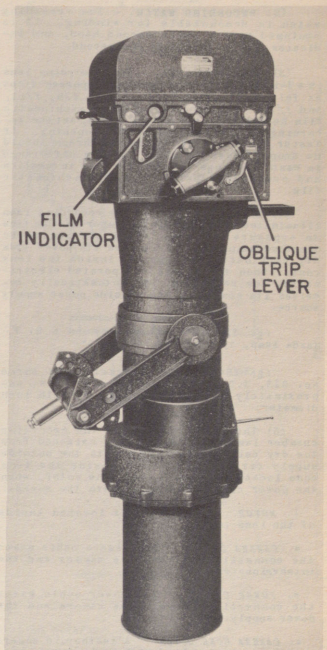


Figure 3 - Type F-56 Camera in Oblique Mount

is recessed into the front of the lens cone. It can be brought into position for use by pressing same to the left and lifting it up.

### k. RECORDING CHAMBER.

(1) The recording chamber is located in the front of the lens cone. Its function is to record on the negative, the time of each exposure. It contains a recording watch, a recording lens and a recording lamp. To open door of same, turn latch counter-clockwise.

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(2) **RECORDING WATCH.** - The recording watch is demountable for winding. It is equipped with a sweep second hand, and indicates the hour, minute and second.

(3) **RECORDING LENS.** - The recording lens is a 1-inch  $f/3.5$  lens, having diaphragm stops as follows:  $f/3.5$ ,  $f/4$ ,  $f/5.6$ ,  $f/8$ ,  $f/11$ , and  $f/16$ . For supersensitive panchromatic film having a Weston rating of 24, set the recording lens diaphragm at full opening. If faster films are used, the diaphragm should be stopped down to allow for the difference in Weston ratings between the film in question and ordinary supersensitive panchromatic film.

(4) **RECORDING LAMP.** - The recording lamp illuminates the recording chamber at the time an exposure is made. When the camera is operated manually, it receives its power from dry cell batteries mounted inside the lens cone. When the camera is operated electrically, the recording lamp automatically receives its power from the outside power supply source.

(a) The recording lamp is a G. E. Mazda lamp, type No. 45, 3.2-volts.

(b) The battery bracket holds three No. 915, 1.5-volt, standard dry cells, approximately 1-7/8 inches long by 9/16 inch diameter.

(5) The power supply for the recording chamber lamp is automatically switched from the dry cell battery circuit to the outside supply circuit by a relay inside the lens cone located directly above the motor, when the power cable is plugged into the socket.

**l. MOTOR.** - The motor is located inside of the lens cone.

**m. CAMERA CABLE.** - The camera cable makes the connection between the camera and the intervalometer.

**n. POWER CABLE.** - The power cable makes the connection between the camera and the power supply.

**o. CAMERA CONE COVER.** - A leatheroid camera cone cover is supplied with each camera cone. Its purpose is to protect the camera cone whenever the magazine is removed.

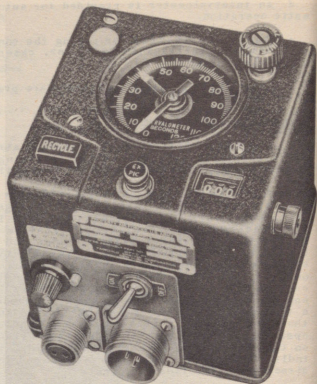


Figure 4 - B-3B Intervalometer

**p. TYPE F-56 CAMERA CARRYING CASE.** - This carrying case is designed to contain the type F-56 aircraft camera and its accessories.

**q. TYPE F-56 OBLIQUE CAMERA MOUNT.** - The type F-56 oblique camera mount is designed to hold the 40-inch focal length camera.

**r. TYPE B-3B INTERVALOMETER (See figure 4).** - The type B-3B intervalometer is the timing instrument for automatically operating the camera at any predetermined interval from 2 to 120 seconds between exposures. It also warns the photographer and pilot two seconds in advance of an exposure, so that they may level the camera and the airplane.

**s. TYPE B-2 INTERVALOMETER.** - The type F-56 aircraft cameras can also be operated in conjunction with a type B-2 intervalometer which can be set for exposure intervals up to 75 seconds.

## SECTION III

### INSTALLATION

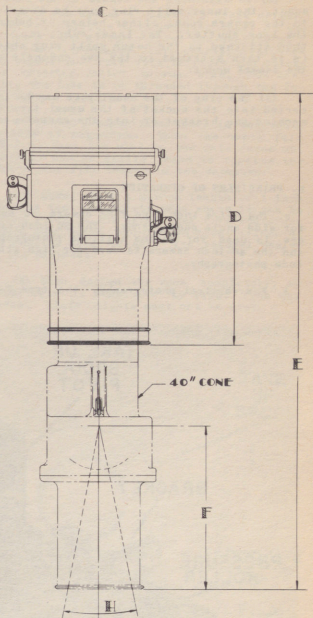
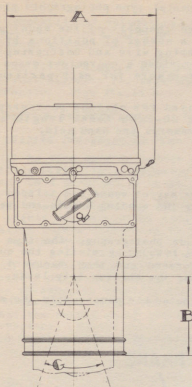
#### 1. GENERAL.

The type F-56 aircraft camera is generally used for vertical photography and is frequently operated by remote control. Remote control installations vary with the type of plane and the specific prevailing conditions. Special information is avail-

able through the Photographic Division of the Bureau of Aeronautics, Navy Dept., Washington, D. C.

#### 2. SPECIAL INSTRUCTIONS.

**a. INSTALLATION DIMENSIONS.** - The installation diagram (See figure 5) indicates the



F56 CAMERA FOCAL LENGTHS	DIMENSIONS							
	A	B	C	D	E	F	G	H
8 1/4"	12.125	4.350	16.687	16.707	—	—	47°30'	—
20"	12.343	9.500	16.687	23.850	—	—	32°20'	—
40"	12.925	—	16.687	—	42.770	25.575	—	14"

Figure 5 - Installation Diagram

overall dimensions of the various focal length cameras for reference in computing clearances and angles of coverage.

b. VERTICAL PHOTOGRAPHY.

(1) For vertical photography, the type F-56 aircraft camera is attached to a vertical camera mount in accordance with the instructions governing the particular mount in use.

(2) One type of vertical mount is adjustable for levelling and crabbing and is equipped with a viewfinder.

(3) Another type is non-adjustable for installation of cameras in a fixed position.

(4) After attaching the camera to the vertical mount, connect the cables to the power supply and intervalometer if the camera is to be operated automatically.

c. OBLIQUE PHOTOGRAPHY (See figure 3).

(1) For oblique photography, the 40-inch focal length type F-56 aircraft camera is attached to the type F-56 oblique camera mount.

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(2) In attaching the camera to the camera mount, the inner split ring must be attached to the camera cone, either before or behind the lens shutter. The inner split ring is then attached to the outer split ring which is in turn attached to the two channels of the camera mount.

(3) The plug of the mount yoke may be inserted into the socket of the usual type of machine gun bracket or into the socket provided on the special type photographic plane.

vided on the special type photographic plane.

(4) The two channels of the mount yoke may be set to a number of positions by removing the locking wire and unscrewing the bolts. This provides a convenient means for adjusting the camera for each particular installation.

(5) When used for oblique photography, the 8-1/4 and 20-inch focal length type F-56 aircraft cameras are hand held.

#### SECTION IV

##### OPERATION

##### 1. PRINCIPLES OF OPERATION.

a. The 8-1/4 inch type F-56 camera is used for wide angle photography. The 20-inch camera is used for medium altitude photography and the 40-inch camera is used for high altitude photography.

b. For vertical photography, the type F-56

aircraft camera may be wound and tripped manually by using the winding handle and vertical trip lever.

c. For oblique photography, the type F-56 aircraft camera is wound by twisting the quick-wind handle forward and then backward, and tripped by using the oblique trip lever.

d. When connected to a powersupply the wind-

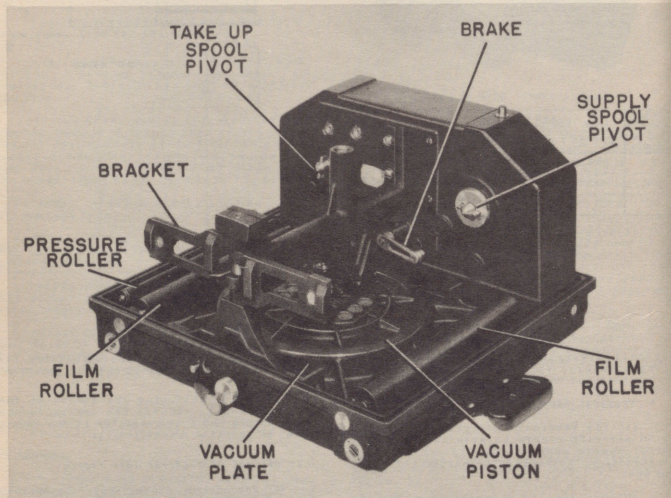


Figure 6 - Magazine - Cover Removed



ing is accomplished automatically, and with an intervalometer the winding and tripping is accomplished automatically.

e. The wiring diagram indicates the various electrical circuits for reference in general maintenance. (See figure 8.)

## 2. OPERATION INSTRUCTIONS.

### a. LOADING THE MAGAZINE (See figure 7).

(1) As film used in aerial photography is sensitive to all light, magazine loadings must be made in a darkroom in total darkness.

(2) Practice loadings with dummy film and with lights on should be made to master the operation before attempting to load a magazine with regular film.

(3) The following is the correct procedure for making darkroom loadings: with lights on, loosen the magazine cover locking knob and remove the magazine cover. Set magazine on table so that the supply spool position is nearest the operator. Remove the light slide and place within reach. Lift magazine up momentarily

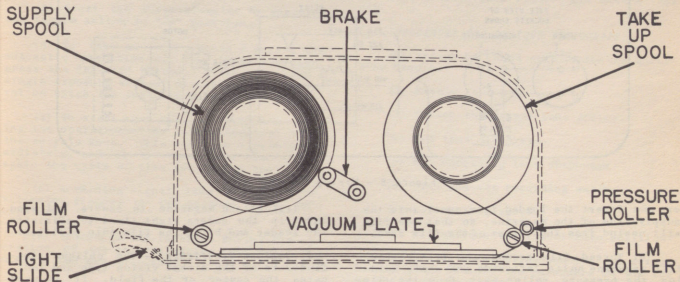
and with the aid of a coin or a screw driver, turn the magazine wind coupling shaft on the bottom of the magazine about one-quarter of a turn counterclockwise. This operation releases the front and rear film flippers and allows the metering roller to run free, thus enabling the film to be threaded through the focal plane.

(4) Insert empty film spool in the take-up side of magazine. Turn the empty film spool so that the slot in the core faces up, where it can be easily found to receive the edge of the film leader in the darkness.

(5) Make ready a 2-inch length of 1-inch adhesive tape and locate same where it can be easily found in the dark. Set film container within easy reach and loosen about 1-inch of the sealing tape to make its removal easier in the darkness.

(6) Then darken the room completely, as aerial film is sensitive to light from any source. "Safe" lights must not be used.

(7) Remove the tape from the film contain-



METHOD OF THREADING FILM THROUGH THE TYPE F-56 CAMERA ROLL FILM MAGAZINE. NOTE THAT THE FILM COMES FROM THE INSIDE OF THE SUPPLY SPOOL, GOES AROUND THE FIRST FILM ROLLER, UNDER THE VACUUM PLATE, BETWEEN THE SECOND FILM ROLLER AND THE PRESSURE ROLLER, AND TO THE INSIDE OF THE TAKE-UP SPOOL.

Figure 7 - Film Threading Diagram

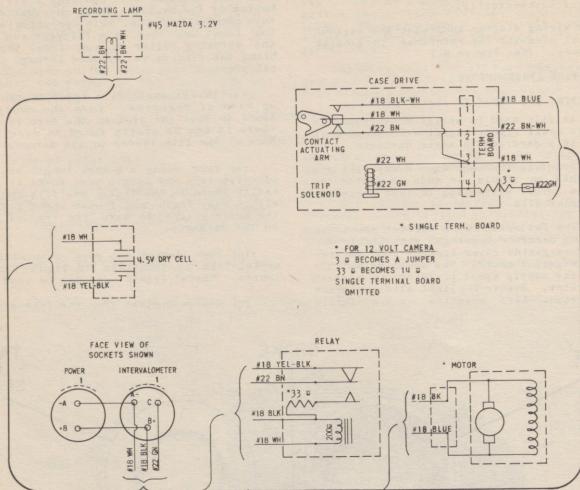


Figure 8 - Wiring Diagram

er and insert the loaded film spool into the supply side of the magazine, so that the film will unwind from the bottom of the film spool.

(8) Thread film around the film roller, tilt magazine on its left side and while holding the pressure roller away from the film roller, guide film through focal plane over the vacuum back, taking care that the film is fed under the reference indexes and does not snag on them, and finally comes out between the film roller and the pressure roller.

(9) Tilt magazine back so that it rests on its base, and check that the film is positioned between the film roller and the pressure roller. Bring film up under the take-up spool, insert end of leader into slot in core, center it, crease and then fasten with adhesive tape. Turn take-up spool through two revolutions.

(10) Insert the light slide, attach the magazine cover, and tighten the magazine cover locking knob. Turn on the lights.

(11) Attach magazine to camera and wind and trip the camera eight times to eliminate the leader and bring the film into position.

**b. OBLIQUE VIEWFINDER.** - The oblique viewfinder is of the direct vision type and indicates the center of the field. It is used for oblique photography.

#### c. VERTICAL VIEWFINDER.

(1) The vertical viewfinder is an integral part of some types of vertical mounts. In operating the vertical viewfinder, rotate the camera in the vertical mount until the image of an object below the airplane as seen through the vertical viewfinder, travels in a direction parallel to the drift lines ruled on the ground glass. These lines determine the true direction of flight and automatically set the proper amount of crab or rotation to the camera.

(2) To determine the time intervals between exposures for mapping, the following

method is used. The ground glass has overlap lines which are at right angles to the drift lines.

(3) The elapsed time that it takes for an object to travel from one overlap line to the other of the same focal length designation is the correct time interval between pictures. The pictures will have a 60-percent overlap. To get this time interval, a stop watch should be used. Start the stop watch the instant the object passes the first overlap line and stop it when the object crosses the second overlap line.

(4) The intervalometer is set accordingly if one is being used.

(5) When a separate viewfinder is used, the crab angle, if any, is noted and transferred to the camera by rotating same in its mount.

#### d. TYPE B-3B INTERVALOMETER (See figure 4).

(1) Upon reaching the area to be photographed, set the proper interval on the intervalometer by depressing and turning the setting knob. The type B-3B intervalometer can be set for intervals of from 2 to 120 seconds.

(2) Start the intervalometer by snapping the toggle switch to "ON" position.

(3) To take an extra picture during the automatic operation of the intervalometer, press the "EX PIC" button. This will make a single exposure without disturbing the interval on which the instrument is operating.

(4) To start a new cycle of exposures during the operation of the intervalometer, press the recycle knob. This makes an exposure immediately, and at the same time starts over again the cycle of time set on the dial.

(5) A warning signal lamp on the intervalometer flashes on two seconds before each exposure.

(6) To change the interval during the operation of the intervalometer just reset the dial to the new interval.

(7) To stop the intervalometer, snap the toggle switch to the "OFF" position.

(8) It is advisable to keep the photographic master switch on the plane turned off while the plane is on the ground, so that the heater in the intervalometer will not draw current unnecessarily. The master switch should be turned on at the time the plane leaves the ground, so that the intervalometer heater will heat gradually and maintain a constant temperature.

#### e. PROCEDURE FOR VERTICAL PHOTOGRAPHY.

(1) Upon approaching area to be photographed, remove lens cap from camera.

(2) Attach the proper lens filter.

(3) Set lens diaphragm.

(4) Set recording lens diaphragm.

(5) Wind and set recording watch.

(6) Set shutter speed.

(7) Determine the time interval and set the intervalometer.

(8) Remove light slide and slip it into the retainers on top of the magazine cover.

(9) When operating camera by hand, use winding handle and vertical trip lever.

(10) Check that the dry cell batteries for lighting the recording chamber are fresh.

(11) When finished, replace light slide.

(12) Shut off type B-3B intervalometer. If type B-2 intervalometer is used, shut same off by turning it to the 75 second setting, wait for it to trip once, and then immediately turning the dial to "Stop".

(13) Remove lens filter and attach lens cap.

#### f. PROCEDURE FOR OBLIQUE PHOTOGRAPHY.

(1) Attach left hand grip handle and quick-wind handle.

(2) Remove lens cap.

(3) Attach the proper lens filter.

(4) Set lens diaphragm.

(5) Set recording lens diaphragm.

(6) Wind and set recording watch.

(7) Set shutter speed.

(8) Set oblique viewfinder into position.

(9) Remove light slide and lay it aside. Do not slip it into the retainers on the top of the magazine cover.

(10) When operating camera by hand, use quick-wind handle and oblique trip lever.

(11) Check that the dry cell batteries for lighting the recording chamber are fresh.

(12) The 8-1/4 inch and 20-inch focal length cameras are hand held.

(13) The 40-inch focal length camera is attached to the type F-56 oblique camera mount.

(14) For automatic winding attach the power cable.

(15) When finished replace light slide.



- (16) Remove lens filter and attach lens cap.

#### CAUTION

When taking oblique photographs, if the camera is set for automatic winding by the motor, the quick-wind handle should be held firmly back against its stop, and great care should be taken that it is not advanced while the camera is in automatic operation. Damage to the drive mechanism would result if the handle were advanced

under the foregoing conditions. Cameras of later manufacture are equipped with a lock to prevent any advancement of the handle, and this lock should be set while the winding motor is operating.

**g. REMOTE CAMERA INSTALLATIONS.** - When the camera is installed in a remote location and is accessible only when the airplane is on the ground, the procedure outlined in section 4, paragraph 2, e, should be followed prior to taking off.

### SECTION V

#### SERVICE INSPECTION, MAINTENANCE AND LUBRICATION

##### 1. SERVICE INSPECTION.

a. When disassembling various units for inspection and maintenance, care should be taken to note the specific order in which the various assemblies and sub-assemblies are taken apart in respect to their details.

b. For the proper order of assembly of any particular unit, the reverse order of disassembly should be followed. Timing marks in the form of engraved lines and spot drill marks are incorporated on all gears, where necessary, for reference in reassembly.

c. During disassembly of any or all parts of the camera, a careful inspection of each part should be made and any replacement or repair that is necessary should be noted.

##### 2. MAINTENANCE,

a. **CLEANING.** - The proper method of cleaning lenses, etc., is to first brush off dust or grit with a dry, clean camel's hair brush. Then using lens tissue or a soft, clean, dry, lintless cotton or linen cloth, polish them gently and thoroughly. If it is necessary to moisten the lenses while cleaning same, do so by breathing upon them. Never use water, alcohol, cleaning fluid or any other kind of liquid.

##### b. TIMING LENS SHUTTER WITH CASE DRIVE.

(1) Timing of the above units must be done with all spring tension removed from the shutter. Compress and remove both the wind and trip rods from the camera. Tension is released by inserting the lower end of the trip rod into the shutter trip coupling and rotating clockwise and counterclockwise until all tension is relieved.

(2) **TIMING PROCEDURE - 8-1/4 AND 20-INCH CAMERAS.**

(a) Set shutter at fastest speed.

(b) With all spring tension off shutter and wind and trip rods removed, set shutter

trip coupling in full counterclockwise position.

(c) Wind drive with quick-wind handle and trip drive.

(d) Insert lower end of wind rod in shutter wind coupling and place one-quarter turn initial tension on shutter by turning shutter wind coupling counterclockwise until plunger pin engages clutch cam.

(e) Complete the installation of the wind rod by inserting upper end in case drive wind coupling. It may be necessary to advance shutter wind coupling slightly to seat upper end of wind rod. Make certain wind rod is fully seated in both couplings.

(f) Install trip rod making certain not to move shutter trip coupling during this operation.

(g) Wind the camera slowly with quick-wind handle and if undue resistance is felt, this is an indication that the shutter and drive are out of time and the foregoing operation must be repeated.

(h) If the shutter and drive are in time, the winding and tripping cycle can be completed easily with the quick-wind handle and trip lever.

##### (3) TIMING PROCEDURE - 40-INCH CAMERA.

(a) Set shutter speed at fastest speed.

(b) With all spring tension off shutter and wind and trip rods removed, set shutter trip coupling in full counterclockwise position.

(c) Wind drive with quick-wind handle and trip drive.

(d) Insert lower end of wind rod in shutter wind coupling and place partial initial tension on shutter by turning coupling counterclockwise until plunger pin engages clutch cam.

(g) Complete installation of wind rod by inserting upper end in case drive coupling. It may be necessary to advance shutter wind coupling slightly to seat upper end of wind rod. Make certain wind rod is fully seated in both couplings.

(f) Wind drive with quick-wind handle and trip drive. This constitutes the 1-3/4 turns initial tension.

(g) Install trip rod, making certain not to move shutter trip coupling during this operation.

(h) Wind the camera slowly with quick-wind handle and if undue resistance is felt, this is an indication that the shutter and drive are out of time and the foregoing operations must be repeated.

(i) If the shutter and drive are in time, the winding and tripping cycle can be completed easily with the quick-wind handle and trip lever.

(4) TIMING CASE DRIVE MECHANISM (See figures 10 and 11).

(g) In the event the retard gear assembly and the trip cam assembly are disassembled, it will be noticed that the magazine spring (large flat clock spring) is under tension. Ten turns of counterclockwise tension is placed on the spring. This spring should not be dismantled unless broken and necessitating replacement.

(h) Timing the drive properly should result in the four couplings positioning themselves as figure indicated by (A). (B).

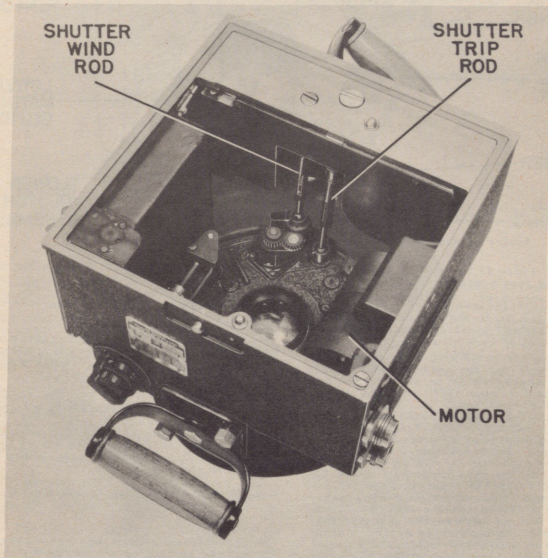


Figure 9 - Camera Interior View

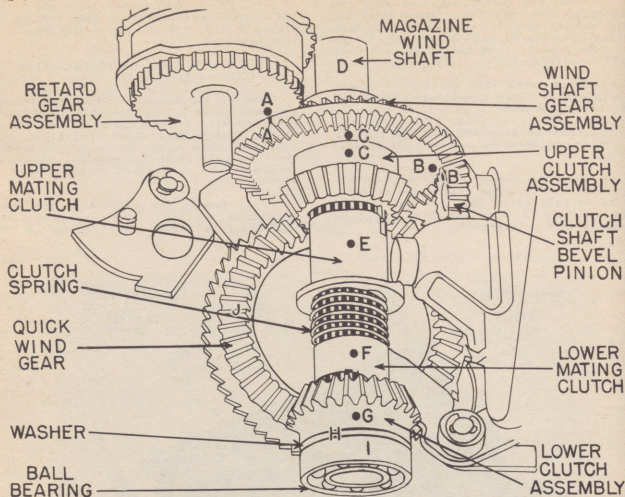


Figure 10 - Case Drive Timing - Quick-Wind Handle in Wound Position

(C), (D) in figure 11, at end of wind cycle. (Camera fully wound, not tripped.)

(e) When reassembling or retiming the drive, keep the quick-wind handle up against the stop in a wound position.

(d) With the drive mechanism partially assembled except for the magazine wind shaft assembly, assemble parts as illustrated in figure 10, as follows: Mesh the wind shaft gear assembly with both the clutch shaft bevel pinion (B-B) and the retard gear assembly (A-A) so that the red timing marks are directly opposite each other. Next, place the upper clutch assembly on the quick-wind gear (J) with the red timing dot to the front, matching the wind timing gear assembly as shown (C-C). At this point insert magazine wind shaft (D) with the timing mark matching the aforementioned marks (the large part of the tapered hole in the shaft facing upward). Next, replace upper mating clutch (E) followed by the clutch spring, the lower mating clutch (F), the lower clutch assembly (G) and last, the washer (H) and bearing (I) which is a force fit and retains the assembly

to the magazine wind shaft. Match all timing dots as indicated.

(5) TIMING MAGAZINE MECHANISM (See figure 12).

(a) In assembling the magazine mechanism the magazine wind coupling takes the position as shown when cam points are against the flipper actuating rods.

(b) Spring tension on film indicator dial should be five counterclockwise turns.

(c) Ratchet gear shaft assembly and spool pivot assembly gears are meshed so that spring retaining screws on these gears clear each other as gears rotate.

3. LUBRICATION (See figures 12, 13, 14, 15).

#### a. GENERAL.

(1) Oil and grease should be placed at the points indicated by "O" or "G" on the illustrations or where otherwise stipulated. Use only the oil and grease specified, as



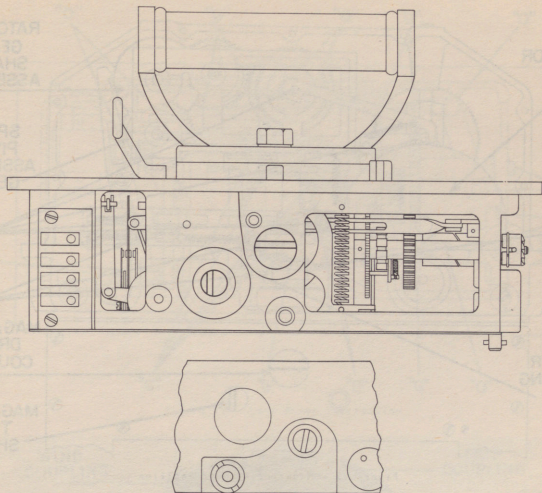


Figure 11 - Case Drive Couplings in Wound Position

variations from specifications will cause trouble at low temperatures.

(2) When applying lubricants use them very sparingly and take extreme care to remove all excess. When using cameras at very high altitudes (sub-zero temperatures) particular care must be taken to keep lubrication at the minimum necessary to prevent wear and to assure proper operation of equipment. An exceedingly thin film of specified lubricant should be applied with a camel's hair brush or a soft cloth and all excess removed. An excessive amount of lubricant will cause an overload on the camera mechanism at low temperatures.

(3) At the time of installation, all ball bearings are packed with a special grease which should last for the life of the bearing.

(4) Rust should never be permitted to form on camera mechanism. A rag dampened with oil should be rubbed on all shafts, gears, cams and levers periodically to prevent rust formation.

(5) On non-working surfaces, a corrosion

preventive compound should be applied to prevent rust formation. Care should be taken to apply the compound to all metal surfaces subject to corrosion, particularly those exposed to salt air or saltwater spray. Non-working surfaces should be cleaned thoroughly and corrosion preventive compound applied with a brush.

#### CAUTION

When applying corrosion preventive compound, make certain to prevent its spread to working surfaces such as pivots, gear teeth, bearings, etc., as it is not a lubricant.

(6) Corrosion preventive compound should be applied only if constant trouble is experienced with rusting in spite of periodic cleaning and lubrication.

(7) The oil recommended to be used is oil, lubricating, aircraft instrument, gyro AAF Spec. 3600, or W.S. 429, manufactured by the Standard Oil Co.

(8) The grease recommended to be used is

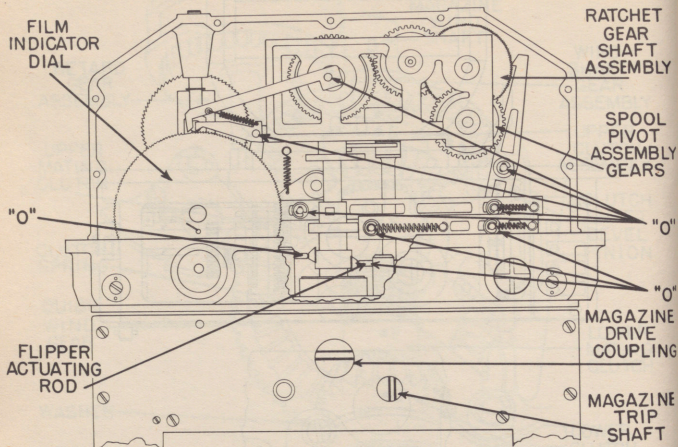


Figure 12 - Magazine - Wound Position

AN-G-3 manufactured by the Northern Oil Co., Mason City, Iowa.

(9) The corrosion preventive compound recommended to be used is Amodis No. 1129, manufactured by the American Oil and Supply Co., Newark, N. J.

*b. ROLL FILM MAGAZINE (See figure 12).*

(1) A thin coating of grease should be applied to the working surfaces of all cams, such as the piston operating cam, magazine wind shaft cam, the cam points which operate the flipper actuating rods and metering control cam, etc.

(2) An exceedingly thin film of grease should be placed on the teeth of all gears.

(3) A drop of oil should be applied to the flipper actuating rods at all bearing points including the rod ends.

(4) A small drop of oil should be applied to all parts indicated.

(5) No lubricant of any kind should be applied to the vacuum piston or cylinder wall. Avoid getting lubricant on piston valve or on the film rollers.

*c. CAMERA DRIVE (See figure 13).* - A thin film of grease should be kept on all cam and gear working surfaces. Oil should be applied every month to the points indicated. Operate the mechanisms to assist in the distribution of the lubricants and wipe off all excess.

*d. SHUTTER WIND ROD.* - The two ball-shaped ends of the shutter wind rod should receive a thin film of grease.

*e. LENS SHUTTER (See figures 14 and 15).*

(1) The lens shutter should be lubricated every two months regardless of how much it is used.

(2) An exceedingly thin film of grease should be applied to the working surfaces of all cams and to the teeth of all gears.

(3) A very small drop of oil should be applied to all pivots and bearings with a fine wire.

(4) Oil or grease should never be applied to the diaphragm leaves or the surfaces of the shutter leaves. The shutter leaves may be cleaned by rubbing them carefully with a cotton pencil or soft cloth which has been

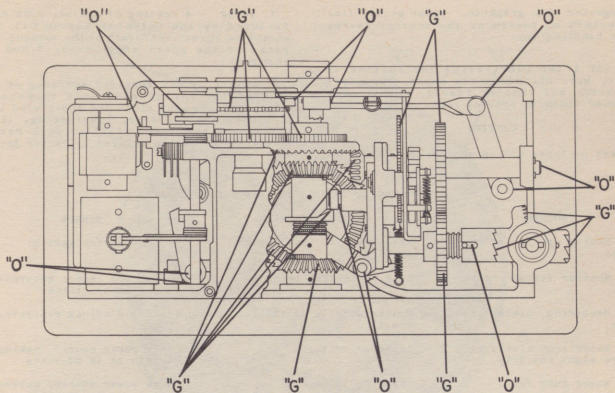


Figure 13 - Case Drive Lubrication

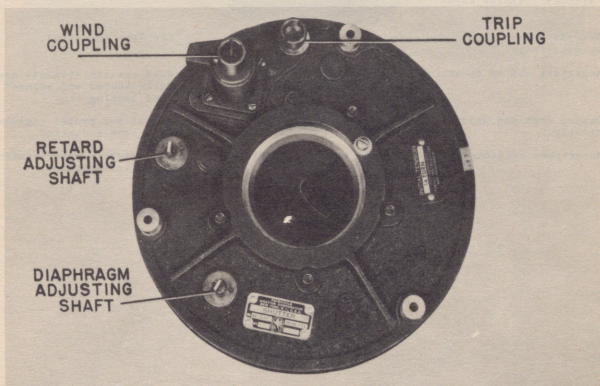


Figure 14 - Shutter



Section 5  
 Pars 3-4

impregnated with graphite. Never permit finger prints to remain on the shutter leaves after handling them.

(5) After lubricating the shutter as above, wipe all mechanism parts, excepting diaphragm and shutter leaves, with an oil dampened cloth to prevent rust.

CAUTION

Leave no loose oil on shutter mechanism.

*f. MOTOR.* - A coating of grease, M285 manufactured by the Colonial Beacon Oil Co., should be spread uniformly on the working surfaces of the gears after every 5,000 exposures.

*g. CABLES.* - The threaded surfaces of the ends of the cables and their respective sockets must be kept clean and lubricated with a thin film of "grease, lubricating, (lead soap base) AAF Spec. 3571" or with Parker Threaddube 6PB, manufactured by Parker Appliance Co., Cleveland, Ohio.

4. SERVICE TROUBLE AND REMEDIES.

TROUBLE	PROBABLE CAUSE	REMEDY
a. Faulty spacing of negatives.	Excessive wear of clutch spring.	Replace clutch spring.
b. Shutter leaves remain open.	Loss of initial tension.	Retime the camera according to timing instructions.
c. Recording chamber light fails.	Contacts dirty or too far apart.	Clean and adjust contacts.
d. Motor runs slowly and camera might not trip.	Improper voltage.	Check power source, making certain it is 24-volts.
e. Motor runs fast.	Improper voltage.	Check power source, making certain it is 12-volts.
f. Camera trips at end of cycle without tripping mechanism.	Broken solenoid spring.	Replace solenoid spring.
g. Recording lamp weak causing poor image.	Improper lamp.	Use lamp specified.
h. Negatives out of focus.	Vibration loosening both rear and front lens elements.	Make certain elements are fully seated and secured with lens locking cam.
i. Camera does not wind electrically.	Case drive contacts bent.	Adjust for proper engagement with cone contacts.
j. Motor runs continually.	Failing to install motor connector shaft.	Make certain motor connector shaft is in place.

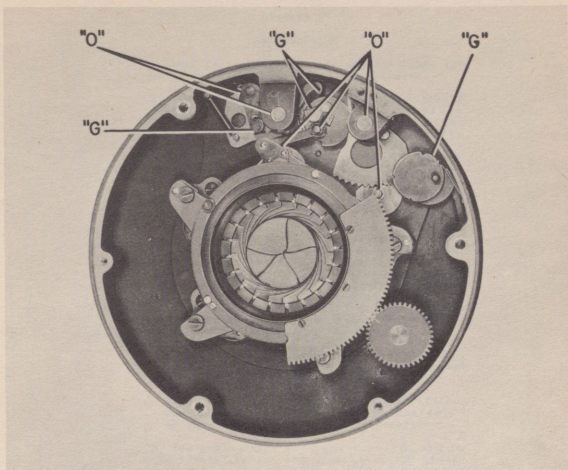


Figure 15 - Shutter - Interior View





## PARTS CATALOG

### SECTION I

#### INTRODUCTION

1. This Parts Catalog lists and describes the parts for the type F-56 aircraft camera.

2. The Group Assembly Parts List, section 2 consists of a breakdown of the complete instruments in sub-assemblies and detailed parts. Each assembly listed is directly followed by its component parts properly indented to show their relationship to the assembly. The quantities specified are those used at the location shown and are not necessarily the total number used per instrument.

3. The asterisks (\*) denote parts that are components of a procurable assembly. When replacements of parts indicated by asterisks are found necessary, the assemblies of which they are components should be ordered rather than the individual parts. This is due to the fact that these individual parts can only be fabricated properly, with regards to their relationship to the other parts of the assembly, at the time of manufacture.

4. The number symbols (#) denote parts that are used on cameras having the following and succeeding serial numbers:

8-1/4 inch Ser. No. 42-550 and thereafter.

20-inch Ser. No. 42-510 and thereafter.

40-inch Ser. No. 42-340 and thereafter.

5. The photographs were developed to aid in the identification and facilitate the ordering of replacement parts. Some details or assemblies are not indicated in the photographs, but they can readily be recognized in the parts lists by their assembly position and nomenclature.

#### CAUTION

When ordering a replacement part, do not fail to advise the focal length and serial number of the camera.

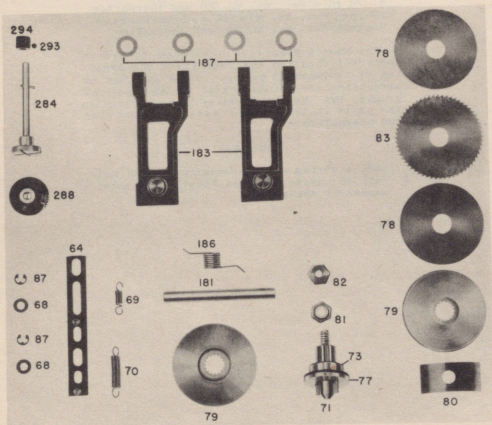
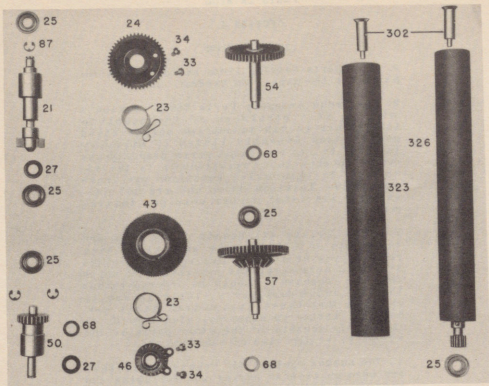


Figure 16

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK CODE	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION			
			MAJOR ASSEMBLY Magazine Assembly - Complete							U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
21	1		F273-A29							Magazine Assembly - Complete	1		
	2	#	F273-D1							Magazine Assembly - Complete	1		
	3	#	F273-C1							Magazine Assembly - Complete	1		
	4	#	D273-C8							Mechanism Assembly - Magazine	1		
	5		E273-C4							Drive Assembly - Magazine	1		
	6	#	E273-C10							Housing Assembly	1		
	7		E273-A38							Housing Assembly	1		
	8	*	E273-369							Housing - Magazine drive (patt and milling)	1		
	9	*	E273-370							Housing - Magazine drive (drilling)	1		
	10		B273-47							Pin - Ratchet lever pivot	1		
11		B273-50							Stud - Plate guide	1			
12		B273-80							Pivot - Indexing plate	1			
13		B273-363							Shaft - Dial	1			
14		B273-308							Pivot - Brake locking pawl	1			
15		B273-323-1							Washer - Pin	3			
16		B273-360							Bushing	1			
17		B273-323-2							Washer - Pin	2			
18		B273-329							Hub - Pawl control shaft	1			
19		B273-335							Post - Spring	1			
20		B273-39							Pivot - Roller	1			
16	21	B273-A1							Pivot Assembly - Spool	1			
16	22	B273-12							Shaft - Film winding pivot	1			
16	23	B273-13							Spring - Clutch	1			
16	24	B273-14							Gear - Film winding pivot	1			
25		F77-4-DD							Bearing	2			
26		F78-4							Clip - Retaining	1			
27		B273-29							Spacer	1			
28		B273-A50							Key Assembly - Pivot spool	1			
29	*	B273-16							Key - Film winding pivot	1			
30	*	B273-17							Pivot - Film winding	1			
31	*	B270-54							Pin - Key	1			
32		F76-50-7							Pin - No. 5/0 x 7/16 steel taper rustproof	1			
16	33	B273-71-1							Screw - Nickel plated	1			
16	34	B273-71-2							Screw - Chemical black	1			
16	35	B273-A5							Shaft Assembly - Ratchet gear	1			
16	33	B273-71-1							Screw - Nickel plated	1			
16	34	B273-71-2							Screw - Chemical black	1			
25		F77-4-DD							Bearing	1			
27		B273-29							Spacer	1			
40		B273-344							Clip - Retaining	1			
26		F78-4							Clip - Retaining	1			
23		B273-13							Spring - Clutch	1			
16	43	B273-A2							Wheel Assembly - Ratchet	1			
44	*	B273-18							Hub - Ratchet wheel	1			
45	*	B273-19							Wheel - Ratchet	1			
16	46	B273-A3							Gear Assembly	1			



## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	SYMBOL	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Magazine Assembly - Complete							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
16	47		* B273-20						Hub - Gear	1		
	48		F79-3-5						Pin - Dowel .0937 dia. x .156 long	1		
	49		* B273-21						Gear	1		
16	50		B273-A4						Shaft Assembly	1		
	51		F76-50-9						Pin - No. 5/0 x 9/16 steel taper	1		
	52		* B273-22						Shaft	1		
16	53		B273-23						Spacer - Spring	1		
	54		B273-A6						Shaft Assembly	1		
	55		* B273-24						Shaft	1		
16	56		* B273-25						Gear - Intermediate	1		
	57		B273-A44						Drive Assembly - Dial	1		
	58		* B273-A7						Gear Assembly	1		
16	59		B273-26						Gear - Miter	1		
	60		B273-27						Gear	1		
	61		F79-3-5						Pin - Dowel .093 x .156 long	1		
16	62		* B273-28						Shaft - Dial drive	1		
	63		385-50-5						Pin - No. 5/0 x 5/8 steel taper	1		
	64		B273-A14						Plate Assembly - Ratchet locking	1		
16	65		* B273-48						Plate - Ratchet and cam locking	1		
	66		B273-51						Pin - Spring	2		
	67		B273-400						Clip - Retaining	2		
16	68		B273-312						Washer - Pivot	2		
	69		B273-345						Spring - Tension locking	1		
	70		B273-346						Spring - Tension	1		
16	71		B273-A20						Shaft Assembly - Key	1		
	72		* B273-32						Key - Film spool shaft	1		
	73		F77-6NS						Bearing	1		
16	74		* B273-304						Shaft - Film spool	1		
	75		B270-54						Pin - Key	1		
	76		B273-31						Plate - Friction	1		
16	77		B273-33						Disc - Friction	1		
	78		B273-300						Disc - Brake	2		
	79		B273-301						Plate - Brake	2		
16	80		B273-302						Spring - Brake	1		
	81		B273-303						Nut - Brake	1		
	82		B273-322						Nut - Brake jam	1		
16	83		B273-337						Wheel - Ratchet	1		
	84		B273-A24						Bracket Assembly - Retarding	1		
	85		* B273-380						Bracket - Plunger retain- ing	1		
16	86		* B273-84						Pin - Retarding bracket pivot	1		
	87		F78-3						Clip - Retaining	1		
	88		B273-92						Spring - Plunger retainer bracket tension	1		

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP							UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY	Type F-56 Aircraft Camera							U.S. NAVY	U.S. ARMY	BRITISH
				Magazine Assembly - Complete									
			PART NUMBER	1	2	3	4	5	6	NOMENCLATURE			
17	89		B273-93							Post - Spring	1		
	90		B273-A25							Bracket Assembly - Vacuum	1		
	91	*	B273-95							Bracket - Vacuum valve	1		
	92	*	B273-96							Valve - Vacuum	1		
	93		B273-97							Spring - Vacuum valve compression	1		
17	94		642							Washer	1		
	95		F11-E63							Screw - No. 6-32 x 3/16 cup point steel hdless set	1		
17	96		B273-99							Shaft - Vacuum valve bracket	1		
17	97		B273-100							Spring - Vacuum valve bracket	1		
	98		B273-98							Bushing - Vacuum valve	1		
17	99	#	B273-C11							Lever Assembly - Adjustable	1		
	100	#	B273-A43							Plate Assembly - Indexing	1		
	101	#	B273-C12							Plate Assembly - Indexing	1		
	102	**	C273-310							Plate - Indexing	1		
	103	**	C273-399							Plate - Indexing	1		
	66		B273-51							Pin - Spring	2		
	105	#	B273-398							Link - Adjustment	1		
	106	#	B273-396							Clamp - Adjustment link	1		
	107	#	F13-44RX							Screw - No. 4-40 x 1/4 binding hd. crs black nickel	2		
	16	87		F78-3							Clip - Retaining	3	
16	68		B273-312							Washer - Pivot	3		
17	110		B273-151							Spring - Tension locking	1		
17	111		C273-A13							Lever Assembly	1		
	112	*	B273-45							Lever - Cam and ratchet	1		
	113		B273-46							Hub - Lever	1		
	114		B273-49							Stud - Lever and plate connecting	1		
	115		B273-313							Pivot - Cam and ratchet lever	1		
16	68		B273-312							Washer - Pivot	1		
16	87		F78-3							Clip - Retaining	1		
17	118		B273-A41							Pawl Assembly - Brake locking	1		
	119	*	B273-307							Pawl - Brake locking	1		
	120		B273-309							Pivot - Brake locking pawl	1		
17	68		B273-312							Washer - Pivot	1		
17	87		F78-3							Clip - Retaining	1		
17	122		B273-347							Spring	1		
18	123	#	B273-C2							Shaft Assembly - Trip	1		
	124		B273-A26							Shaft Assembly - Trip	1		
	125	**	B273-371							Shaft - Trip	1		
	126		B273-86							Shaft - Trip	1		
	127	*	B273-94							Pin - Vacuum release	1		
	128		B273-65							Bearing - Needle	1		
	129		B273-87							Cover - Trip shaft	1		
	130		B273-88							Ball - Bearing	1		
18	131		B273-91							Ring - Snap	1		

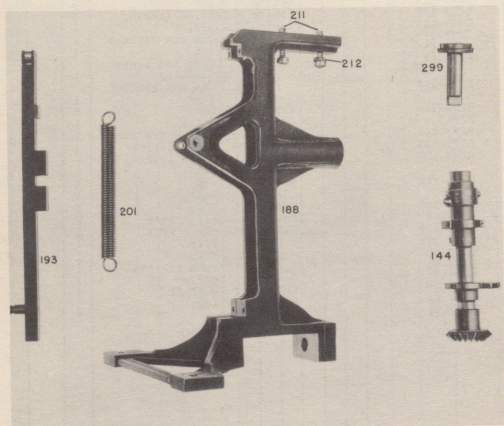
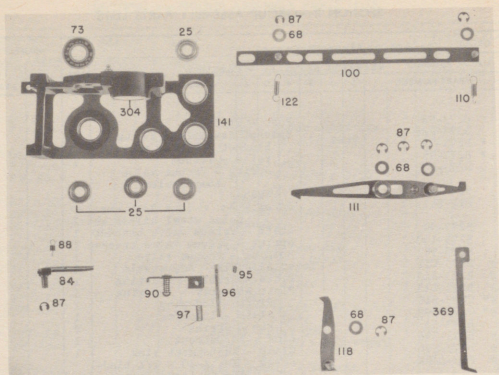


Figure 17



# SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK #	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION			
			MAJOR ASSEMBLY Magazine Assembly - Complete							U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
18	132		B273-89						Spring - Trip shaft compression	1			
	133	#	B273-357						Spacer	3			
18	134		B273-90						Spacer	3			
21	135		B273-A36-1						Arm Assembly	1			
	136	*	B273-144						Arm - Pressure roller	1			
	137	*	B273-145						Bushing - Roller arm	1			
21	138		B273-148						Screw - Pressure roller arm	1			
	139		B273-150-1						Pin - Pressure roller tension spring	1			
21	140		B273-52						Spring - Pressure roller tension	1			
17	141		D273-102						Bracket - Trip and wind shaft	1			
	142		B273-378						Screw - Dowel	3			
18	143		AN935-8L						Washer - No. 8 lock steel (light series)	3			
17	144		B273-C3						Shaft Assembly - Main drive	1			
	145	*	B273-73						Gear - Miter	1			
	146	*	B273-79						Shaft - Coupling gear wind	1			
	147	*	B273-72						Cam - Piston actuating	1			
	148	*	B273-311						Cam - Magazine wind shaft	1			
	63		385-50-5						Pin - No. 5/0 x 5/8 long steel taper rpf.	2			
	150	*	B273-A23						Sleeve Assembly - Magazine wind shaft	1			
	151		B273-76						Sleeve - Magazine wind shaft	1			
	152		B273-78						Point - Cam	1			
17	73		F77-6NS						Bearing - Ball	2			
21	154		B273-133						Shaft - Pawl release	1			
21	155		B273-131						Washer	1			
	26		F78-4						Clip - Retaining	1			
21	157		B273-349						Spring - Compression	1			
20	158		C273-A34						Brake Assembly - Pawl stop	1			
	159	*	B273-330						Shaft - Pawl control arm	1			
	160	*	B273-A45						Stop Assembly - Pawl	1			
	161	*	B273-324						Stop - Brake pawl	1			
	162	*	B273-325						Hub - Pawl control	1			
	163		F79-3-6						Pin - Dowel .093 x .187	1			
	164		B273-A46						Roller Assembly - Pawl	1			
	165		B273-326						Hub - Pawl control	1			
	166	*	B273-327						Roller	1			
	167	*	B273-328						Shaft - Roller	1			
	168	*	B273-331						Arm - Pawl control	1			
	169		F79-2-6						Pin - Dowel .063 x .187	1			
	170		385-60-4						Pin - Taper no. 6/0 x 1/2 steel rustproof	2			
17	25		F77-4-DD						Bearing	5			
20	172		B273-336						Spring	1			
	173		F79-4-16						Pin - Dowel .125 x 500	2			
22	174		C273-C7						Plate Assembly - Shaft and vac	1			
	175	*	E187-2-1						Plate - Vacuum	1			

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Magazine Assembly - Complete							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6			
19	176		* A151-131						Shaft - Vacuum plate	1		
	177		AN505-4-5						Screw - Fltthd steel no. 4-40 x 5/16 (chem. blk.)	4		
18	178		F6-610L						Screw - No. 6-32 x 5/8 fil hd stainless steel	2		
18	179		AN935-6L						Washer - Lock no. 6 steel (light series) rustproof	2		
	180	#	D273-C5						Bracket Assembly - Complete film spacer	1		
16	181		B273-56						Shaft - Spool retainer brkt	1		
	182		F22-C63						Screw - No. 6-32 x 3/16 cup point Allen hdless set	1		
16	183		B273-A17						Bracket Assembly	2		
	184	*	C273-54						Bracket - Spool retainer	2		
	185	*	B273-59						Pivot - Spool	2		
16	186		B273-57						Spring - Bracket tension	1		
16	187		B273-55						Spacer	4		
17	188		B273-A2						Bracket Assembly - Film spacer	1		
	189	*	D273-58						Spacer - Film roll	1		
	190	*	B273-62						Insert - Cover retainer	1		
	191		385-50-6						Pin - Taper no. 5/0 x 3/4 steel rustproof	1		
	192		B273-66						Pin - Plunger housing spring	1		
17	193		B273-A53						Plunger Assembly - Actuating	1		
	194		B273-65						Pin - Plunger spring	1		
	195		B273-68						Pin - Plunger stop	1		
	196		B273-69						Bearing - Plunger roller	1		
	197		B273-70						Roller - Plunger	1		
	198	*	B273-372						Block - Plunger shoulder	1		
	199	*	B273-373						Plunger - Vacuum piston actuating	1		
	200		AN420-4-10						Rivet - 1/8 x 5/8 c'sunk hd iron rustproof	2		
17	201		B273-64						Spring - Plunger	1		
19	202		B273-61						Plate - Plunger retainer	1		
	203		500-4-5						Screw - No. 4-40 x 5/16 fil hd steel chem. black	2		
19	204		F4-1104						Washer - No. 4 external shakeproof lock	2		
22	205		B151-A24						Lever Assembly - Piston actuating	1		
	206		A151-101						Pin - Vacuum piston knee lever	2		
	207	*	B151-98						Lever - Knee vac piston actuating	1		
	208		385-60-3						Pin - Taper no. 6/0 3/8 steel	2		
22	209		B273-355						Pivot - Vacuum piston knee lever	1		

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION			
			MAJOR ASSEMBLY Magazine Assembly - Complete							U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
22	210		F78-5						Clip - Retainer	2			
17	211		F6-1012L						Screw - No. 10-32 x 3/4 fil hd stainless steel	2			
17	212		AN935-10L						Washer - Lock no. 10 steel rpf. (light series)	2			
	213		F6-85RP						Screw - No. 8-10 x 5/16 fil. hd steel rustproof	2			
	143		AN935-8L						Washer - Lock no. 8 steel rpf. (light series)	2			
	215	#	C273-C6						Piston Assembly - Complete	1			
22	216	#	A151-A21						Cover Assembly - Piston valve	2			
	217	#	A151-126						Cover - Vacuum piston vlv	2			
	218	#	B273-391						Cover - Vacuum piston valve	2			
	219		A151-127						Screen - Vacuum piston vlv	2			
22	177		AN505-4-5						Screw - No. 4-40 x 5/16 flthd steel chem. black	4			
22	221		A187-A24						Valve Assembly - Piston	2			
	222		A151-129						Spring - Vacuum piston vlv	2			
	223	*	A151-128						Valve - Vacuum piston	2			
22	224		A151-130						Brace - Vacuum piston valve spring	2			
22	225		F7-22L						Screw - No. 2-56 x 1/8 rd-hd stainless steel	4			
22	226		C187-A12						Casting Assembly - Piston	1			
	227	*	A151-125						Bushing - Vacuum piston bearing	2			
	228	*	C169-44						Piston - Vacuum	1			
18	229		C273-A47						Base Assembly - Magazine	1			
	230	*	E273-339						Base - Magazine (drilling dwg)	1			
	231	*	E273-338						Base - Magazine (milling dwg)	1			
	232	*	E273-122						Base - Magazine (pattern dwg)	1			
	233	*	B273-105-1,2						Guide - Flipper actuat rod	4			
	234	*	B273-359						Bushing	1			
	235	#	D273-D2						Base Assembly	1			
	236	*	E273-366						Base - Magazine (pattern dwg)	1			
	237	*	E273-367						Base - Magazine (milling dwg)	1			
	238	*	E273-377						Base - Magazine (drilling dwg)	1			
18	239		C273-A32						Flipper Assembly - Front film	1			
	240		B273-107						Blade - Front film	1			
	241	*	B273-119						Spring - Flipper plate blade	1			
	242		B273-118						Spring - Flipper plate	1			
	243	*	C273-117						Shaft - Film blade	1			
	244		AN435-2-3						Rivet - 1/16 dia. x 3/16 rd-hd iron rustproof	2			
	245		AN425-2-3						Rivet - 1/16 dia. x 3/16 c'sunk hd alum.	5			
18	246		B273-115						Nut - Lock	4			
18	247		B273-116						Screw - Film guide adjustment	4			
18	248		C273-A33						Flipper - Rear film	1			



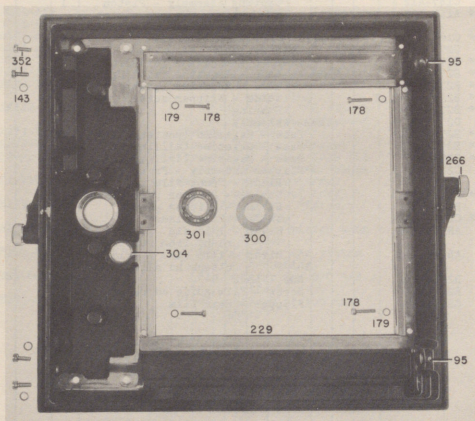
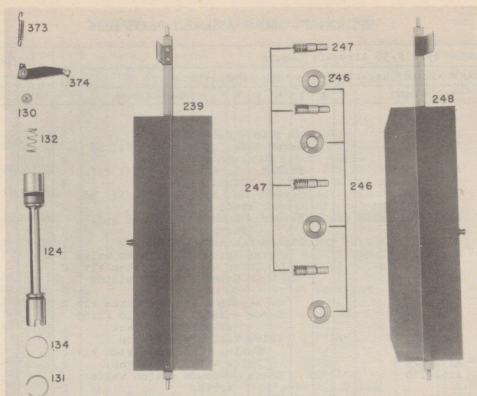


Figure 18

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK NUMBER	GROUP Type F-56 Aircraft Camera							UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Magazine Assembly - Complete								U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6				
	243		* C273-117						Shaft - Film blade	1			
	250		* B273-108						Blade - Rear film	1			
	242		B273-118						Spring - Flipper plate	1			
	252		B273-120						Spring - Flipper plate blade	1			
	244		AN435-2-3						Rivet - 1/16 dia. x 3/16	2			
									rd-hd iron rustproof				
	245		AN425-2-3						Rivet - 1/16 dia. x 3/16	5			
									d'sunk hd alum.	2			
19	255		B273-106						Rod - Flipper actuating	2			
19	257		F78-5						Clip - Retaining	2			
19	258		B273-A49						Plate Assembly - Guide	1			
	259		B273-123						Plate - Guide	1			
	259		B273-343						Lining - Light trap	1			
19	260		B273-A48						Spring Assembly - Magazine	1			
									light trap	1			
	261		B273-341						Spring - Magazine light trap	1			
	262		B273-342						Lining - Magazine light trap	1			
									spring	1			
	263		B273-340						Clamp - Magazine light trap	1			
									lining	1			
19	264		A151-163						Screw - Magazine light trap	4			
									fastening				
19	265		F4-1202						Washer - No. 2 internal shake-	4			
									proof lock	2			
18	266		B273-A39						Lever Assembly - Magazine lock	2			
	267		* B273-141						Lever - Magazine lock	2			
	268		* B273-356						Plunger - Magazine lock	2			
	269		A151-182						Spring - Magazine lock	2			
	270		* A151-183						Knob - Magazine lock	2			
	271		A151-184						Pivot - Magazine lock	2			
	272		385-50-4						Pin - Taper no. 5/0 x 1/2 steel	2			
	273		B273-128						Pin - Base dial stop	1			
	274		B273-353						Felt - Light trap	1			
	275		B273-321						Dial - Light trap	1			
	276		AN430-2-4						Rivet - 1/16 dia x 1/4 long	2			
									rd-hd alum.				
	277		AN430-2-7						Rivet - 1/16 dia. x 7/16 long	2			
									rd-hd alum.	2			
21	278		B273-124						Index - Magazine reference	2			
21	279	#	F9-22L						Screw - No. 2-56 x 3/16 flthd	4			
									stainless steel				
22	225		F7-22L						Screw - No. 2-56 x 3/16 flthd	4			
									stainless steel	2			
21	281		B273-318						Plug - Flipper actuating rod	1			
	282		B273-125						Bushing - Base mounting hole	1			
	283		B273-152						Bushing - Base mounting hole	1			
16	284		B273-D3						Indicator Assembly	1			
	208		385-60-3						Pin - No. 6/0 x 3/8 steel	2			
									taper rustproof	1			
	286		* B273-40						Indicator				

# SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	SYMBOL	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Magazine Assembly - Complete							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
16	287		* B273-44						Shaft	1		
	288		* B273-A11						Gear Assembly - Control arm	1		
	289		* B273-41						Gear - Cam	1		
	290		* B273-42						Cam - Control	1		
	291		* B273-43						Hub - Cam and gear	1		
	292		AN420-3-6						Rivet - 3/32 x 3/8 c'sunk hd iron rustproof	2		
16	293		F11-E62						Screw - No. 6-32 x 1/8 type E hdless set steel rpf.	1		
16	294		B273-350						Collar - Indicator shaft	1		
	294		B273-359						Bushing	1		
	296		B273-143						Window - Dial	1		
	297		AN420-3-5						Rivet - 3/32 dia. x 5/16 c'sunk hd alum.	1		
	298		AN420-3-7						Rivet - 3/32 dia. x 7/16 c'sunk hd alum.	1		
17	299		B273-74						Shaft - Magazine wind coupling	1		
18	300		B273-332						Shield - Bearing	1		
18	301		F77-8NS						Bearing - Ball	1		
16	302		B273-38						Pivot - Roller	2		
18	95		F11-E63						Screw - No. 6-32 x 3/16 cup point steel hdless set	2		
17	304		B273-85						Bearing - Needle	1		
	305		B273-150-2						Pin - Pressure roller tension spring	1		
21	140		B273-52						Spring	1		
21	307		B273-A36-2						Arm Assembly - Pressure roller	1		
	136		* B273-144						Arm - Pressure roller	1		
	137		* B273-145						Bushing - Roller arm	1		
21	138		B273-148						Screw - Pressure roller arm	1		
	311		AN3102-12S-3P						Plug - Connector	1		
	312		AN935-4L						Washer - No. 4 lock (light series) rustproof	6		
	313		500-4-4						Screw - Fill hd no. 4-40 x 1/4 in. long crs cad. plate	4		
	314		AN960-B10						Washer - Plain brass no. 10 1/16 in. thick	1		
18	315	#	B273-375						Cam - Film feed indicator	1		
	95		F11-E63						Screw - No. 6-32 x 3/16 in. long cup point set	1		
	317		F6-416RP						Screw - Fill hd no. 4-40 x 1 in. long crs rustproof	2		
	318	#	B273-376						Spacer - Acro switch	2		
	319	#	F39-29						Switch - Acro	1		
	320		F10-4RP						Nut - Hex. no. 4-40 crs rpf.	2		
	321		F12-M20						Wire - Cornish supercor no. 20 AWG stranded black 3-1/2 inches	1		
	322		F12-G20						Wire - Cornish supercor no. 20 AWG stranded white 1-1/2 inches	1		



## SECTION II—GROUP ASSEMBLY PARTS LISTS

			GROUP Type F-56 Aircraft Camera							UNITS PER ASSY	PROPERTY CLASSIFICATION		
FIG. NO.	INDEX NO.	STOCK NUMBER	MAJOR ASSEMBLY Magazine Assembly - Complete								U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6				
16	323		B273-A8								1		
	324	*	B273-34-1								2		
	325	*	B273-35-1								1		
16	326		B273-A10								1		
	327	*	B273-37								1		
	25		F77-4-DD								1		
	329		385-50-3						Pin - No. 5/0 x 3/8 steel taper rustproof		1		
	330		B273-A9						Roller Assembly		1		
	331	*	B273-36						Bearing - Film roller		1		
	332	*	B273-34-2						Bearing - Film roller		1		
	333	*	B273-35-2						Roller - Film		1		
	334		B273-333						Plate - Magazine name		1		
	335		B273-82						Spring - Coupling compress		1		
21	336		B273-A37						Roller Assembly - Pressure		1		
	337	*	B273-319						Roller - Pressure		1		
21	338		B273-146						Pin - Pressure roller pivot		1		
21	293		F11-E62						Screw - No. 6-32 x 1/8 type E set steel rustproof		1		
	340		B273-146-1						Pin - Pressure roller pivot		1		
19	341		B273-A40						Dial Assembly - Film indicator		1		
	342	*	B273-126						Dial - Film indicator		1		
	343		B273-127						Pin - Dial stop		1		
	344	*	B273-140						Hub - Dial		1		
19	345		B273-138						Spring - Dial		1		
19	346		B273-142						Cover - Magazine housing		1		
19	347		F9-34RP						Screw - No. 3-48 x 1/4 flthd steel rustproof		8		
18	178		F6-610L						Screw - No. 6-32 x 5/8 fil hd stain. steel		4		
18	179		AN935-6L						Washer - No. 6 steel lock (light series) rustproof		4		
	350		F6-47L						Screw - No. 4 x 7/16 fil hd stain. steel		4		
	312		AN935-4L						Washer - No. 4 steel lock (light series) rustproof		4		
18	352		F6-86L						Screw - No. 8-32 x 3/8 fil hd stain. steel		4		
18	143		AN935-8L						Washer - No. 8 steel lock (light series) rustproof		4		
20	354		E273-A19						Cover Assembly - Magazine		1		
	355	*	D273-2						Frame - Magazine cover		1		
	356	*	E273-3						Cover - Magazine		1		
	357		B121-577						Holder - Name plate		1		
	358		11550B						Plate - Patent no. name		1		
	359		F67R-22-1/2						Rivet - .1062 dia. x .156 dural Thompson drilled		8		
	360		A273-A18						Knob Assembly - Magazine cover lock		1		
20	361		F48-40						Washer - Stain. steel		1		

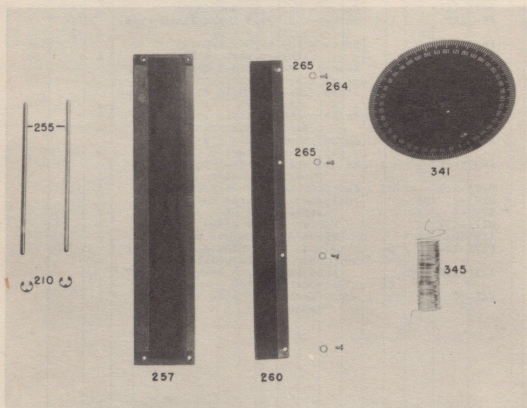
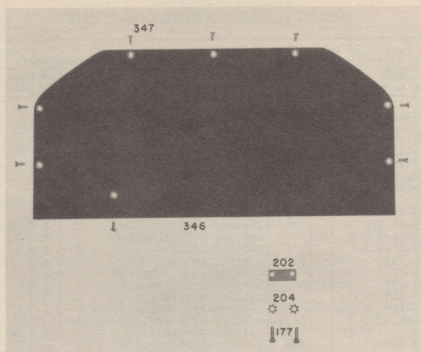


Figure 19

# SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	S T O C K I D	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Drive Assembly - Case							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
20	362		A273-5						Spacer - Knob light trap	1		
20	363		B270-71						Knob - Magazine cover locking	1		
20	364		B270-76						Clip - Knob locking	1		
19	365		C273-A30						Slide Assembly - Magazine light	1		
366		*	C273-104						Slide - Magazine light	1		
367		*	B211-254						Handle - Light slide	1		
368			F67R-65						Rivet - 3/16 dia. x 5/16 rd-hd dural Thomson drilled	2		
17	369		B273-A51						Pawl Assembly - Dial advance	1		
370		*	B273-135						Pawl - Dial advance	1		
371		*	B273-364						Plate - Dial advance pawl	1		
372		*	F79-2-7						Pin - Dowel .062 x .218 long	2		
18	373		B273-134						Spring - Pawl tension	1		
18	374		B273-A42						Pawl Assembly - Locking	1		
375		*	B273-130						Pawl - Locking	1		
376		*	B273-136						Pin - Pawl release	1		
377		*	B273-137						Pin - Locking pawl pivot	1		
378			C273-WD						Wiring Diagram - Schematic	1		
379			B166-P3-6						Cable Assembly - Magazine two pole	1		
380			D273-379						Decalcomania - Instruction	1		
23	381		D274-A1						Drive Assembly - Case	1		
382		#	E274-B1						Drive Assembly - Case	1		
383			D274-A5						Housing Assembly - Drive	1		
384		#	E274-B2						Housing Assembly - Drive	1		
23	385		D274-A6						Casting Assembly - Drive housing	1		
386		#	E274-B3						Casting Assembly - Drive housing	1		
387			E274-175						Housing - Drive (machining drawing)	1		
388		#	F274-207						Housing - Drive (machining drawing)	1		
389			E274-1						Housing - (Pattern dwg)	1		
390		#	B274-222						Bearing - Ratchet pawl shaft	1		
391			B274-36						Stud	1		
392			B274-205						Stud - Spring pin	1		
393			B274-25						Stud	1		
394			B274-113						Stud - Trip lever	1		
395			B274-73						Stop - Cam follower	1		
396		#	B274-198						Stop - Cam follower	1		
397			B274-54						Pin - Spring	1		
398			AN420-4-7P						Rivet - 1/8 dia. x 7/16 long c'sunk hd steel cad. plate	2		
399			B274-63						Stud - Ratchet stop	1		
23	400		B274-53						Pawl	1		



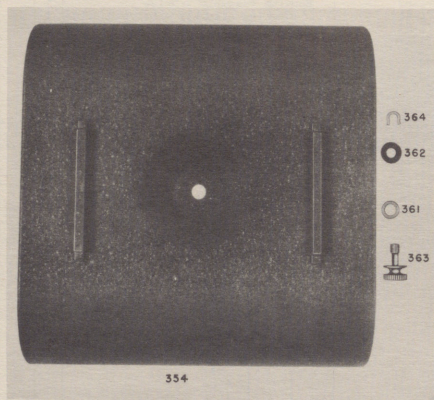
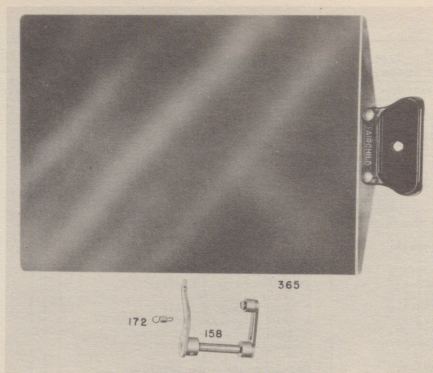


Figure 20

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	SYMBOL	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Drive Assembly - Case							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6			
23	401		B274-52						Stud - Pawl	1		
	73		F77-6-WS						Bearing - Ball	1		
	403		B274-219						Bushing	1		
	404	#*	B274-223						Bushing	1		
23	405		F77-4D						Bearing - Ball	2		
23	301		F77-8NS						Bearing - Ball	1		
	407		B274-46						Pin - Aligning	3		
	408		B274-181						Stud	1		
	409		B274-153						Pin - Magazine lock	1		
	410	#	B274-199						Pin - Magazine lock	1		
	411		F79-2-8						Dowel - .062 x .250 drill rod	1		
	412		B274-A7						Pinion Assembly - Drive	1		
24	413		B274-109						Pinion - Drive	1		
	25		F77-4DD						Bearing - Ball	2		
24	415		B274-103						Spacer - Bearing	1		
24	416		B272-9						Ring - Snap	1		
24	417		284						Pin	1		
	418		F11G44						Screw - Set	1		
	419		B274-A11						Ratchet Assembly - Non-return	1		
24	420		B274-A9						Shaft Assembly - Ratchet	1		
	421	*	B274-A58						Stud Assembly - Ratchet	1		
	422	*	B274-A49						pin and Ratchet Assembly	1		
	423	*	B274-221						Ratchet - Non-return	1		
	424	*	B274-191						Hub - Ratchet	1		
	425	*	B121-552						Stud - Pawl	1		
	426		B121-304						Pin - Spring	1		
24	427	*	B274-A10						Gear Assembly - Ratchet	1		
	428	*	B274-11						Gear - Ratchet	1		
	429	*	B274-12						Ratchet - Drive	1		
	430	*	AN435-3-4						Rivet - 3/32 in. dia. x 1/4 RH steel	3		
	431	*	B274-21						Shaft - Ratchet	1		
	432	*	B274-13						Pinion - Clutch shaft bevel	1		
	272		385-50-4						Pin - No. 5/0 x 1/2 steel taper	2		
24	434		B274-A12						Pawl Assembly - Ratchet	1		
	435	*	B274-58						Pawl - Ratchet	1		
	436	*	291						Pin - Spring	1		
	437		B121-551						Washer	1		
24	438		B274-A13						Latch Assembly - Pawl	1		
	439	*	B274-57						Latch - Pawl	1		
	440	*	B121-308						Pin - Spring	2		
	441	*	B121-553						Bushing - Cam pawl latch	1		
24	442		630						Washer	1		
24	443		40A1						Retainer	1		
24	444		B274-170						Spring - Latch	1		
24	445		864						Spring - Pawl	1		
24	25		F77-4DD						Bearing - Ball	1		
24	26		F78-4						Retainer	1		
	448		B274-A14						Gear Assembly - Quick wind	1		
	449	*	B274-41						Gear - Quick wind	1		
	450	*	B274-42						Ratchet - Quick wind	1		
	451	*	B274-44						Plate - Latch	1		
	298		AN420-3-7						Rivet - 3/32 x 7/16 c'sunk hd steel	3		

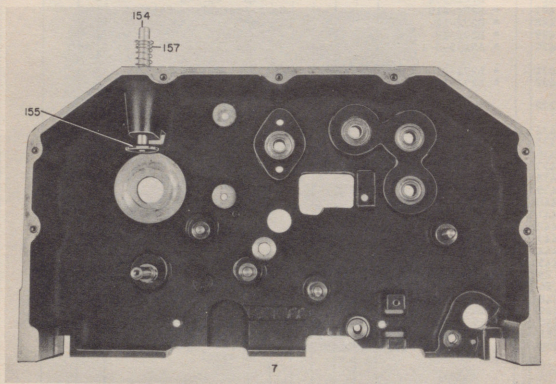
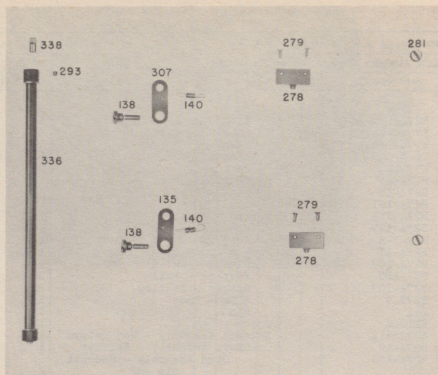


Figure 21



# SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	SYMBOL	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Drive Assembly - Case							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
24	453		B274-187						1			
	454	*	B274-A15					Washer	1			
	455		C274-3					Flange Assembly - Handle	1			
	456		A150-193					Flange - Handle	1			
24	457		385-20-8					Bushing - Hand screw	2			
24	458		B274-45					Pin - No. 2/0 x 1 steel taper	1			
24	459		B274-A16					Disc - Handle	1			
	460	*	B274-28					Plate Assembly - Locking	1			
	461	*	B274-34					Plate - Locking	1			
24	462		B274-35					Pin - Locking plate spring	1			
24	463		B274-37					Lever - Lock	1			
24	87		F78-3					Washer	2			
	465		B274-A17					Retainer	2			
	466	*	B274-6					Lever Assembly - Oblique trip	1			
	467	*	B274-39-2					Lever - Oblique trip	1			
	468	*	B274-A18					Shaft - Oblique trip	1			
	469	*	B274-7					Lever Assembly - Trip actuat	1			
	470	*	B274-47					Lever - Trip actuating	1			
	471	*	B274-48					Plate - Stop	1			
	472		F79-2-5					Hub -	1			
	473		F76-60-7					Pin - .0625 dia. x .156 long steel dowel	2			
24	474		B274-117					Pin - No. 6/0 x 7/16 steel taper	2			
24	475		B274-A19					Spring	2			
	476	*	B274-A20					Lever Assembly - Vertical trip	1			
	477	*	B274-30					Arm Assembly - Trip	1			
	478	*	B274-26					Arm - Trip	1			
	479	*	B274-107					Pin - Spring	1			
	480	*	B274-A53					Stud	1			
	481	*	B274-A52					Trigger Assembly	1			
	482	*	B274-32					Lever Assembly - Trip	1			
	472		F79-2-5					Hub - Auxiliary lever	1			
	484	*	B274-33					Pin - .0625 dia. x .156 long steel dowel	1			
	485	*	B274-5					Lever - Vertical trip	1			
	486	*	B274-39-1					Lever - Vertical trip	1			
208			385-60-3					Shaft - Vertical trip	1			
	473		F76-60-7					Pin - No. 6/0 x 3/8 steel taper	1			
	489	*	B274-27					Pin - No. 6/0 x 7/16 steel taper	1			
	87		F78-3					Stud - Auxiliary lever	1			
24	491		B274-115					Retainer	1			
24	492		B274-A21					Spring	1			
	493	*	B274-64					Shaft Assembly - Ratchet trip	1			
	494	*	B274-220					Shaft - Ratchet trip	1			
24	495		AN960-C10					Lever - Ratchet trip	1			
	87		F78-3					Washer	1			
								Retainer	1			

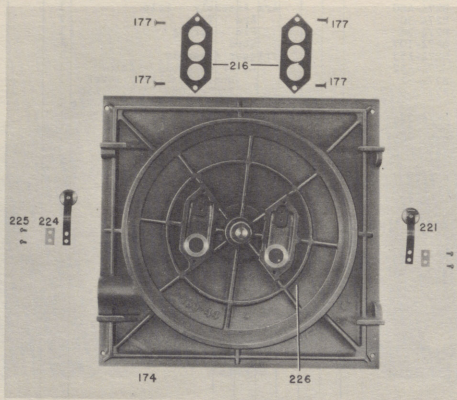
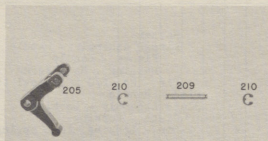


Figure 22

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY		Drive Assembly - Case					U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6			
24	497		B274-A24					Arm Assembly - Ratchet stop	1			
	498		* B274-60					Arm - Ratchet stop	1			
	499		* B274-61					Hub	1			
24	500		B274-62					Stop - Ratchet	1			
24	501		B274-83					Spacer	1			
	87		F78-3					Retainer	1			
24	503		B274-118					Spring	1			
24	504		B274-119					Spring	1			
23	505		B274-120					Spring	1			
25	506		B274-A25					Block Assembly - Terminal	1			
	507		B272-50					Block - Terminal	1			
	508		B272-51					Contact - Terminal	4			
	509		B272-52					Lug - Soldering	4			
	510		F68R-33-1/2					Rivet - 3/32 dia. x 7/32 rd-hd brass Thomson no. S-581	4			
25	177		AN505-4-5					Screw - No. 4-40 x 5/16 french head steel	2			
	512		# B274-228					Stud - Spring	1			
25	513		F8-45L					Screw - No. 4-40 x 5/16 french head steel	2			
25	514		B274-A40					Shaft Assembly - Shutter trip	1			
	515		* B274-71					Shaft - Shutter trip	1			
	516		* B274-161					Collar	1			
	517		* 325-B1					Coupling - Shutter trip	1			
	272		385-50-4					Pin - No. 5/0 x 1/2 steel taper	3			
	519		* B274-A41					Plate Assembly - Cam follower	1			
	520		* B274-72					Plate - Cam follower	1			
	521		* B274-212					Stud - Spring	1			
	522		* B274-70					Hub - Cam follower plate	1			
	472		F79-2-5					Pin - .0625 dia. x .156 long steel dowel	2			
	524		* B274-24					Stud - Release lever	1			
	525		* B274-29					Pin - Bearing	1			
	526		B274-112					Washer	1			
	527		# B274-225					Washer	1			
	528		F77-2NS					Bearing - Ball	1			
25	529		B274-196					Spring	1			
	530		# B274-229					Spring	1			
24	531		B274-116					Spring - Trip	1			
	532		B274-A51					Counter Assembly - Drive	1			
25	533		B274-108					Counter - Drive	1			
25	534		B274-179					Arm - Counter	1			
	535		B274-178					Pin - Counter	1			
	536		B274-204					Spring - Counter retard	1			
25	537		B274-A42					Lever Assembly - Release	1			
	538		* B274-23					Lever - Release	1			
	478		* B274-26					Pin - Spring	1			
	87		F78-3					Retainer	2			



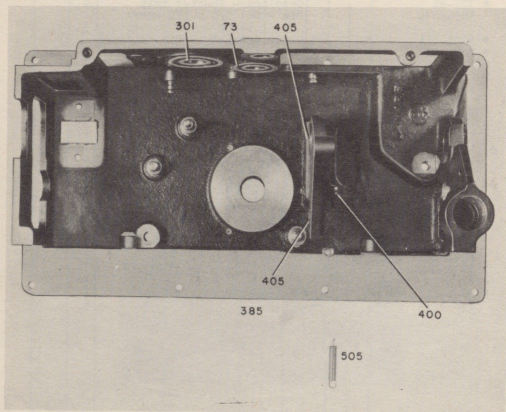
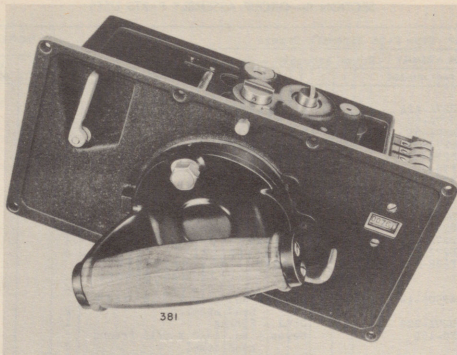


Figure 23

## SECTION II—GROUP ASSEMBLY PARTS LISTS

			GROUP Type F-56 Aircraft Camera							PROPERTY CLASSIFICATION			
FIG. NO.	INDEX NO.	S E R I E S N O. O F C O M P O N E N T S	MAJOR ASSEMBLY Drive Assembly - Case							UNITS PER ASSY	U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6				
25	541		B274-A57								1		
	542	#	B274-B5								1		
	543	*	B274-197								1		
	544	**	B274-213								1		
	545		B274-203								1		
	208		385-60-3								1		
											1		
	528		F77-2NS								1		
25	548		F6-66L								1		
											1		
	549		AN935-4								2		
	550		F79-3-10								2		
25	551		C274-A55								1		
	552	#	B274-B6								1		
	553		B274-A60								1		
25	554	*	B274-190								1		
	555	*	B274-9								1		
	556		B274-217								1		
25	557		B274-50								1		
	558		385-40-5								1		
											1		
25	559		B274-214								1		
	560		B274-215								1		
25	561		B274-8								1		
	562	#	C274-218								1		
25	563		B274-216								1		
	25		F77-4DD								1		
	25		F78-4								1		
25	566		B274-121								1		
25	567		B274-49								1		
25	568		283B1								1		
25	557		B274-50								1		
25	26		F78-4								1		
25	571		B274-A26								1		
	572	*	C274-193								1		
	573	*	B274-A27								1		
	574	*	B274-14								1		
	575	*	B274-22								1		
	576	*	AN420-4-6								1		
											1		
	577	*	B274-110								2		
	578		385-40-6								2		
25	579	*	B274-A28								1		
	580	*	B274-16								1		
	581	*	B274-40								1		
	582	*	B274-172-1								1		
	169		F79-2-6								1		
25	584		B274-A29								1		
	581	*	B274-40								1		
	586	*	B274-19								1		

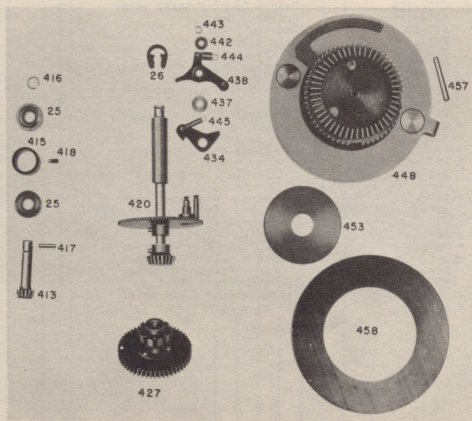
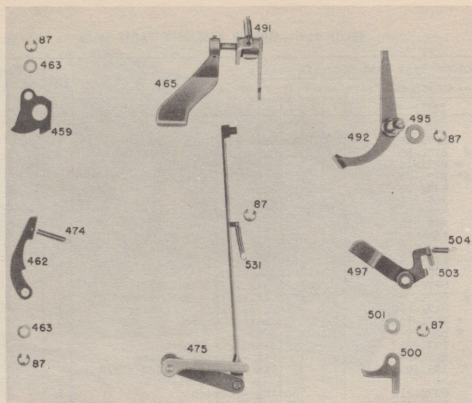


Figure 24



## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK #	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Drive Assembly - Case							U.S. NAVY	U.S. ARMY	BRITISH
			1	2	3	4	5	6				
25	582		* B274-172-1					Pin - .125 x 1/4 crs	1			
	169		F79-2-6					Pin - Dowel .187 long	1			
	589		C274-194					Clutch - Upper mating	1			
	590		C274-195					Clutch - Lower mating	1			
25	591		B274-122					Spring - Clutch	1			
	592		# B274-231					Plate - Bearing cover	1			
	312		# AN935-4L					Washer - No. 4 light	2			
	594		# B274-202					Bolt - Stop	2			
	595		# 515-4-5RP					Screw - Rd hd no. 4-40 5/16 in. long steel rust proof	2			
	596		# F22-D63-C					Screw - No. 6-32 flat point headless set	2			
25	597		B274-A30					Coupling Assembly - Magazine trip	1			
	598		B274-A31					Shaft Assembly - Magazine trip	1			
	599		* B274-A32					Gear Assembly - Retard	1			
	600		* C274-101					Gear - Retard	1			
	601		* B274-96					Cam - Safety release	1			
	602		* B274-98					Pin - Retard gear	1			
	603		AN420-3-4					Rivet - .093 x 1/4 c'sunk head steel	2			
	604		B274-99					Pin - Spring	1			
	605		* B274-A33					Coupling Assembly - Shutter wind	1			
	606		* B298-109					Coupling - Shutter wind	1			
	607		* B132-140					Pin - Coupling	1			
25	272		385-50-4					Pin - No. 5/0 x 1/2 steel taper	1			
	609		B274-A34					Cam Assembly - Trip	1			
	610		* B274-79					Cam - Trip	1			
	611		* B274-78					Retard - Trip	1			
	612		* B274-95					Housing - Spring	1			
	613		* B274-97					Pin - Retard	1			
	298		AN420-3-7					Rivet - 3/32 x 7/16 c'sunk head steel	2			
25	528		F77-2NS					Bearing - Ball	1			
	616		F77-3NS					Bearing - Ball	1			
	617		B274-100					Spring - Magazine	1			
	244		AN435-2-3					Rivet - 1/16 dia. x 3/16 rd hd steel rust proof	1			
25	619		B274-A35					Shaft Assembly - Pallet	1			
	620		* B274-87					Shaft - Pallet	1			
	621		B274-A36					Lever Assembly - Cam trip	1			
	622		* B274-75					Hub - Cam trip lever	1			
	623		* B274-76					Lever - Cam trip	1			
	472		F79-2-5					Pin - .0625 dia. x .156 long steel dowel	1			
	208		385-60-3					Pin - No. 6/0 x 3/8 steel taper	1			
	626		* B274-A37					Lever Assembly - Solenoid trip	1			
	627		* B274-38					Lever	1			
	628		* B274-43					Lever - Oblique trip aux	1			

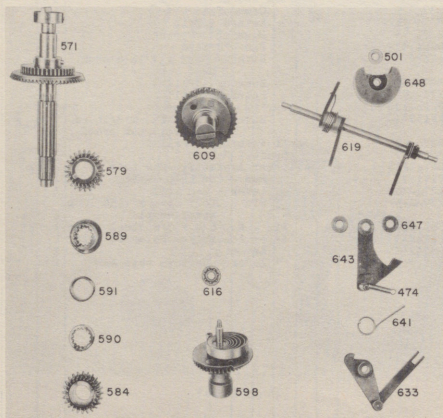
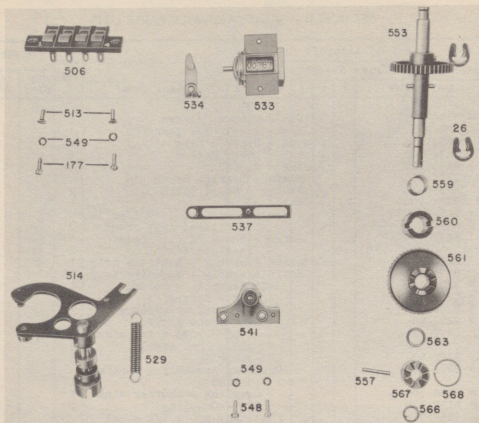


Figure 25

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	SYMBOL	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Drive Assembly - Case							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
	471		B274-48					Hub		1		
	630		B274-114					Spring		1		
	472		F79-2-5					Pin - .0625 dia. x .156 long		1		
	170		385-60-4					steel dowel		2		
25	633		B274-A38					Pin - No. 6/0 x 1/2 steel taper		1		
	634	**	B274-B7					Lever Assembly - Safety		1		
	635	*	B274-80					Lever Assembly - Safety		1		
	636	**	B274-234					Lever - Safety		1		
	637	*	B274-81					Lever - Safety		1		
	638	*	B274-86					Hub - Safety lever		1		
	639	*	B274-85					Lever - Counter trip		1		
	640	#	B274-236					Pin - Counter trip lever		1		
25	641		B274-209					Washer		1		
	87	#	F78-3					Spring		1		
25	643	*	B274-A39					Clip + Retaining		1		
	644	*	B274-74					Lever Assembly - Contact actuating		1		
	645	*	B274-88					Lever - Contact actuating		1		
25	474		B274-117					Pin - Contact		1		
25	647		B274-210					Spring - Contact lever		1		
25	648		B274-77					Spacer - Contact lever		2		
25	501		B274-83					Pallet - Retard		1		
	650		C274-A43					Spacer		1		
	651	#	C274-B4					Plate Assembly - Bottom		1		
26	25		F77-4DD					Plate Assembly - Bottom		1		
26	653	*	D274-2					Bearing		1		
	654	**	D274-208					Plate - Bottom		1		
	655		B274-160					Plate - Bottom		1		
	73		F77-6NS					Bushing		1		
	657		F54-70					Bearing - Ball		1		
26	658		F9-87L					Solenoid - Trip		1		
	659		B274-A59					Screw - No. 8-32 x 7/16 long		2		
26	660	*	B274-102					flthd stain. steel		1		
	661		F68R-48SN					Plunger Assembly		1		
								Plunger - Solenoid				
								Rivet - 1/8 dia. x 1/2 long				
								type "R" steel nickel				
								plated Thomson no.				
								S-490		1		
26	662		B279-A61					Switch Assembly - Contact		1		
26	663		AN960-C4					Washer		2		
26	664		F6-49L					Screw - No. 4-40 x 9/16 fil hd		2		
								stain. steel		2		
26	549		AN935-4					Washer - No. 4 spring lock		2		
26	666		F6-45L					Screw - No. 4-40 x 5/16 fil hd		4		
								stain. steel		4		
26	549		AN935-4					Washer - No. 4 spring lock		2		
	668		B274-172-2					Dowel - .125 x 1/2 lg. drill rod		1		
	669		B274-104					Cover - Drive		2		
26	670		F9-43RP					Screw - No. 4-40 x 3/16 flthd steel		5		
	671	#	B274-200					Retainer - Ball bearing (large)		1		



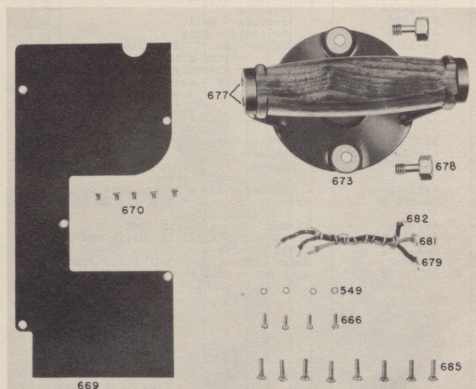
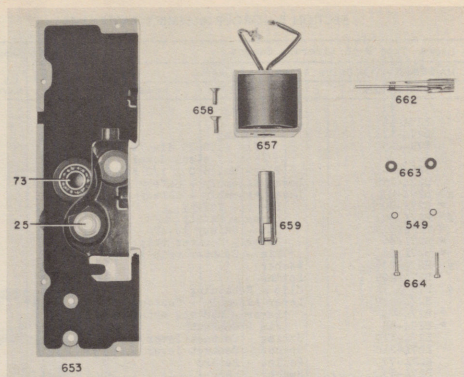


Figure 26

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	S C K E D	GROUP Type F-56 Aircraft Camera						PROPERTY CLASSIFICATION				
			MAJOR ASSEMBLY Drive Assembly - Motor						UNITS PER ASST	U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
26	672		B274-192								1		
	673		B274-AA7								1		
	674		C274-4								1		
	675		180A115								1		
	676		181A115								2		
26	677		F8-85EN										

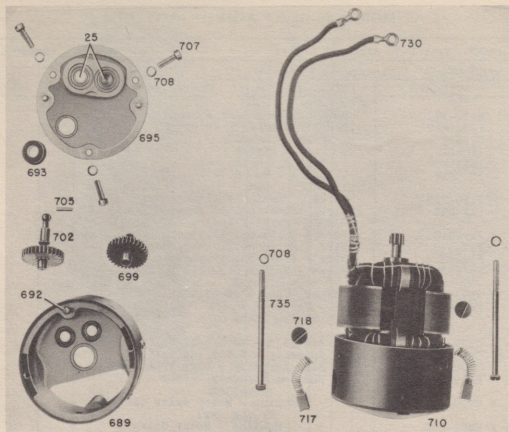


Figure 27

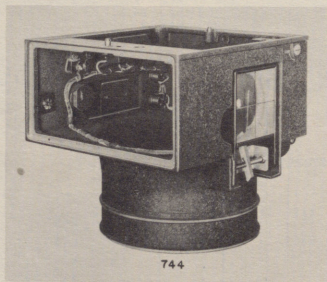


Figure 28



## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK #	GROUP Type F-56 Aircraft Camera						PROPERTY CLASSIFICATION				
			MAJOR ASSEMBLY Cone Assembly - 8-1/4 Inch						UNITS PER ASSY	U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
	712		C299-D2						Motor Assembly - Brush, armature field	1			
	713		B299-131						Field - 12 volt motor	1			
	714	#	C299-132						Field - 24 volt motor	1			
	715		B299-133						Armature - 12 volt motor	1			
	716	#	C299-134						Armature - 24 volt motor	1			
27	717		B299-128						Brush - Contact	2			
27	718		B299-130						Holder - Brush	2			
	719		B299-129						Screw - Cone point	2			
	720		B299-104						Pin - Shim retaining	4			
	721		566-A3-3						Screw - No. 3-48 x 3/16 long steel hdless set	2			
	722	#	F22-D43-C						Screw - No. 4-40 x 3/16 long steel hdless set	2			
	723		C299-113						Bell - Commutator end (drilling dwg)	1			
	724	*	C299-99						Bell - Commutator end (die cast dwg)	1			
	725		B299-93						Bearing - Motor ball	1			
	726		B299-102						Pin - Motor housing dowel	1			
	727		B299-8						Washer	1			
	728		A150-150						Pinion	1			
27	25		F77-4DD						Bearing - Ball	1			
	730		F38-11						Terminal - Solder	2			
	731		B166-178						Cord + Tie (1.5 feet)	1			
	732		B299-94						Spacer - Bearing	1			
	733		C299-117						Corestack - Field coil	1			
	734		B299-96						Shim - Housing spacing	4			
	735		B299-103						Screw - Housing securing	2			
27	708		AN935-8						Washer - No. 8 lock	2			
30	736		B299-14						Bracket - Motor mounting	1			
30	737		F13-10-8RP						Screw - No. 10-32 x 1/2 in. crs rpf	2			
	738		B299-97						Plate - Cover	1			
	739		B299-95						Washer - End thrust	1			
	740		F9-33RC						Screw - No. 3-48 x 3/16 flthd steel cad. plate	2			
	741		B299-135						Plate - Name 12 volt	1			
	742	#	B299-141						Plate - Name 24 volt	1			
	743		AN535-0-2						Screw - No. 0 x 1/8 drive	4			
28	744		E272-A1						Cone Assembly - 12 volt	1			
	745	#	E272-C1						Cone Assembly - 24 volt	1			
	746		F272-1						Cone	1			
	747		B272-72						Engraving - Nameplate	-			
	748	#	B272-85						Engraving - Nameplate	-			
	749		11,549-B						Plate - Name	1			
	750		11,550-B						Plate - Patent number	1			
	751		F67R-23-1/2						Rivet - 1/16 dia. x 7/32 long rd-hd dural black alum.	8			
	752		B272-59						Pin - Magazine locating	2			

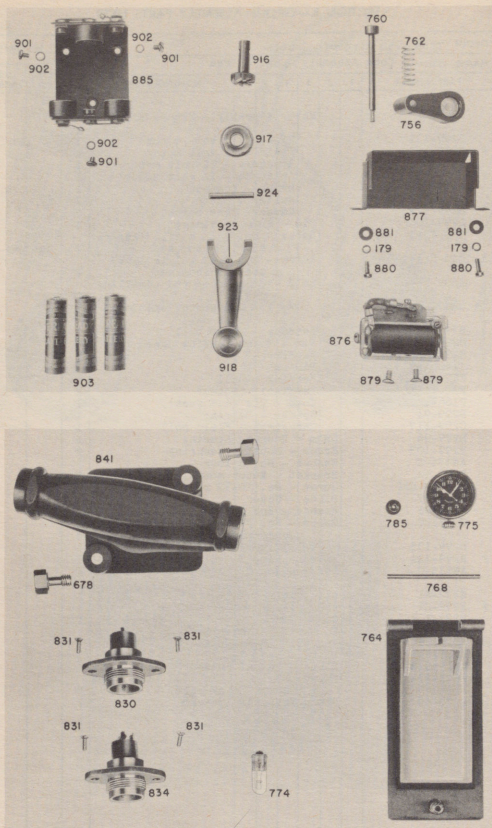


Figure 29

# SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK NO.	GROUP Type F-56 Aircraft Camera							UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Cone Assembly - 8-1/4 Inch								U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6				
	558		385-40-5							Pin - 4/0 x 5/8 long steel taper	1		
	357		B121-577							Holder - Nameplate	1		
	578		385-40-6							Pin - 4/0 x 3/4 long steel taper	1		
29	756		B150-A3							Level Assembly	1		
	757	*	A150-162							Level	1		
	758	*	A150-160							Case	1		
	759	*	A150-161							Cover	1		
29	760		A150-163							Fulcrum	1		
	761		A150-164							Washer	2		
	762		A150-165							Spring	1		
	763		B299-74							Trap - Recording door light	1		
	764		C299-A2							Door Assembly	1		
29	765	*	C299-15							Door - Recording chamber	1		
	766		B299-16							Gasket - Recording chamber door	1		
	767		B299-35							Fastener	1		
29	768		B299-18							Pin - Hinge	1		
	769		B299-36							Spring	1		
	770		AN430-4-6							Rivet - 1/8 dia. x 3/8 long alum. rd-hd	2		
	771		AN960-4							Washer - No. 4 steel - rustproof	2		
30	772		B272-47							Socket - Recording lamp	1		
	773		AN430-3-4							Rivet - 3/32 dia. x 1/4 rd-hd alum.	2		
29	774		B299-34							Lamp - Recording	1		
29	775		B186-A6-1							Watch Assembly - Recording	1		
	776		B186-109							Watch - Recording	1		
	777		B186-A33-1							Case Assembly - Watch	1		
	778	*	B186-110-1							Case - Watch	1		
	779	#	B186-116							Case - Watch	1		
	780		A186-17							Pin - Locating	1		
	781	#	B186-117							Screw - Stud watch case	1		
	782	*	118B94							Cover - Watch case	1		
	783		119B94							Glass - Cover	1		
	784		313A49							Clip - Case	1		
29	785		260A49							Knob - Case	1		
	786	*	A171-42							Stem - Watch	1		
	787		F4-1206							Washer - No. 6 internal type 12 shockproof - rustproof	1		
	788		C272-A4							Finder Assembly - Oblique view	1		
31	789		B272-A5							Frame Assembly - Upper	1		
	790	*	C272-5							Frame - Viewfinder (upper part)	1		
	791	*	B272-7							Bracket - Viewfinder frame stop	1		
	792		A150-215							Rivet - 1/8 inch dia. x 5/16 long c'sunk hd stain. steel	2		
31	793		B272-6							Frame - Viewfinder (lower part)	1		
31	794		B272-64							Packing - Viewfinder	1		
31	795		B272-2							Lens - Viewfinder	1		
31	796		F9-63L							Screw - No. 6-32 x 3/16 long c'sunk hd stain. steel	2		



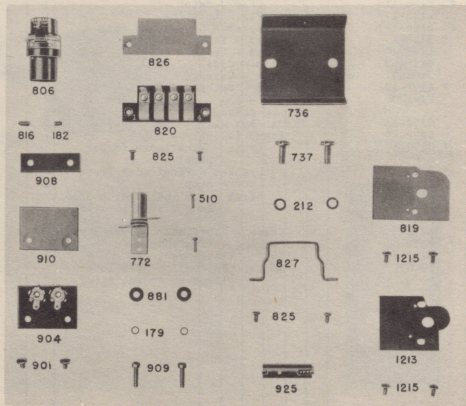
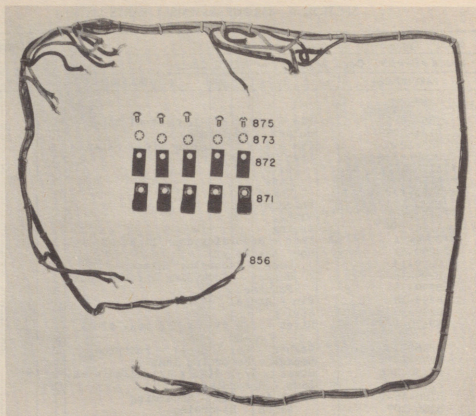


Figure 30

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	S T I C K E D	GROUP Type F-56 Aircraft Camera							UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Cone Assembly - 8-1/4 Inch								U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6				
	797		B272-A6							Shaft Assembly - Viewfinder	1		
31	798		B272-12							Shaft - Viewfinder	1		
31	799		A150-133							Collar - Viewfinder	1		
31	208		385-60-3							Pin - No. 6/0 x 3/8 long steel taper - rust-proof	1		
31	801		B272-10							Sight - Viewfinder	1		
31	802		B272-13							Spring - Sight	1		
31	803		B272-8							Support - Viewfinder	1		
31	804		F9-85L							Screw - No. 8-32 x 5/16 long c'sunk hd stain. steel	2		
805			B272-65							Buffer	1		
30	806		B299-A13							Lens Assembly - Recording	1		
	807	*	B299-72							Lens - Recording	1		
	808	*	B299-71							Ring - Lens diaphragm dial	1		
	809	*	A186-76							Pin - Lens dial ring	2		
	810	*	B299-126							Sleeve - Watch lens focusing	1		
	811		F79-2-3							Pin - Dowel	1		
	812		B299-73							Spring - Lens diaphragm click	1		
	813		A186-75							Screw - Diaphragm click	2		
	814		B299-69							Plate - Watch lens focusing sleeve	1		
	815		AN515-4-4							Screw - No. 4-40 x 1/4 long rd-hd steel - rustproof	2		
30	816		566-D6-4							Screw - No. 6-32 x 1/4 long cup point headless set	1		
	472	#	F79-2-5							Pin - Dowel .0625 dia. x .156 long steel	2		
30	182		F22-C63							Screw - No. 6-32 x 3/16 cup point Allen headless set	1		
30	819		B272-77							Shield - Recording lens	1		
30	820		B272-A8							Block Assembly - Contact	1		
	507		B272-50							Block - Contact	1		
	508		B272-51							Contact	4		
	509		B272-52							Lug - Soldering	4		
30	510		F68-33-1/2N							Rivet - 3/32 dia. x .218 long rd and c'sunk hd brass	4		
30	825		AN505-4-4							Screw - No. 4-40 x 1/4 long flthd steel rustproof	4		
30	826		B299-122							Insulator - Contact block	1		
30	827		B299-31							Guard - Retard knob	1		
	828		B299-32							Pin - Cone latch	1		
	63		385-50-5							Pin - No. 5/0 x 5/8 long steel taper rustproof	1		
29	830		AN3102H-16-11P-1							Socket - Battery no. 1 polarized (light tight)	1		
29	831		F9-45BN							Screw - No. 4-40 x 5/16 flthd brass nickel plated	2		
	832	#	B356-46							Cap - Protector connector	1		
	833		B299-101							Plate - Socket adapter	2		
29	834		AN3102H-16S-6s-1							Socket - Camera connector no. 1 polarized (light tight)	1		
	835		B299-127							Gasket - Socket adapter plate	2		
	836	#	B324-24							Screw - Cap retaining	1		

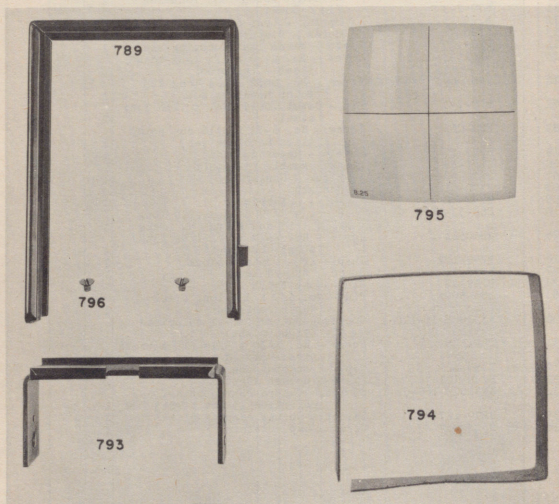
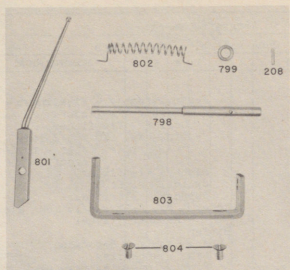


Figure 31



## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK NUMBER	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION			
			MAJOR ASSEMBLY Cone Assembly - 8-1/4 Inch							U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5	6				NOMENCLATURE
29	837		B121-611					Gasket	-	Socket	2		
	831		F9-45BN					Screw	-	No. 4-40 x 5/16 flthd brass, nickel plated	2		
	839	#	B121-644					Screw	-	No. 4-40 .215 RH steel cad. plate	7		
29	840		B272-49					Grommet			2		
	841		B150-B3					Handle Assembly	-	Left hand grip	1		
	842		C150-191					Bracket	-	Frame	1		
	843		A150-192					Washer	-	Rivet	1		
	844		A150-196					Rivet	-	Frame	1		
	845		F7-43BN					Screw	-	No. 4-40 x 3/16 rd-hd brass nickel plated	8		
	312		AN935-4I					Washer	-	Lock rustproof	8		
	847		F79-4-7					Pin	-	Bracket	1		
	848		B150-124					Frame			1		
	677		F8-85BN					Screw	-	no. 8-32 x 5/16 french head nickel plated	4		
29	676		181A115					Tubing	-	Grip	2		
	675		180A115					Grip	-	Handle	1		
	678		B150-225					Screw	-	Handle retaining	2		
	456		A150-193					Bushing	-	Handle screw	2		
	578		385-40-6					Pin	-	No. 4/0 x 3/4 taper	2		
30	855		C272-86					Wiring Diagram			-		
	856		D299-A10					Cable			1		
	857		A-RC4-328					Cord	-	No. 6 wax 6 feet long	1		
	858		F12-G18					Wire	-	White no. 18 supercor (27 inches)	1		
	858		F12-G18					Wire	-	White no. 18 supercor (9 inches)	1		
	858		F12-G18					Wire	-	White no. 18 supercor (7 inches)	1		
	858		F12-G18					Wire	-	White no. 18 supercor (12 inches)	1		
	862		F12-M18					Wire	-	Black no. 18 supercor (6-1/2 inches)	1		
	862		F12-M18					Wire	-	Black no. 18 supercor (9 inches)	1		
	862		F12-M18					Wire	-	Black no. 18 supercor (7 inches)	1		
	865		F12-J18					Wire	-	Yellow and black no. 18 supercor (18 in.)	1		
	866		F12-C18					Wire	-	Blue no. 18 supercor (24 inches)	1		
	682		F12-E22					Wire	-	Green no. 22 supercor (33 inches)	1		
	868		F12-P22					Wire	-	Brown and white no. 22 supercor (44 in.)	1		
	681		F12-O22					Wire	-	Brown no. 22 supercor (21-1/2 inches)	1		
30	870		F38-30-1					Lug	-	Terminal	1		
	871		F50-500					Clip			5		
30	872		B299-123					Insulator	-	Cable clamp	5		
30	873		936A6					Washer	-	Lock internal tooth shakeproof	5		

## SECTION II—GROUP ASSEMBLY PARTS LISTS

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## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK NUMBER	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
			MAJOR ASSEMBLY Shutter Assy - 8-1/4 in. (Speeds 1/35, 1/50, 1/100, 1/150)							U.S. NAVY	U.S. ARMY	BRITISH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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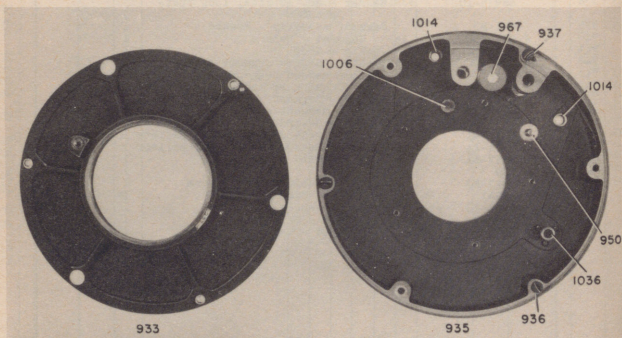
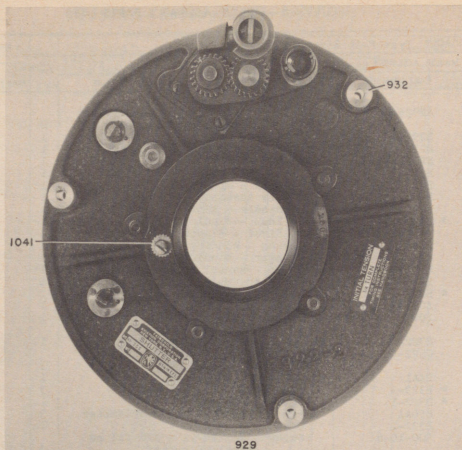


Figure 32

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	SYMBOL	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION			
			MAJOR ASSEMBLY Shutter Assy - 8-1/4 in. (Speeds 1/35, 1/50, 1/100, 1/150)							U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
	957		* B322-4							Lock - Cam release	1		
	958		* B322-5							Cam - Retard	1		
	959		B298-84-2							Rivet	1		
	960		B322-66							Rivet - Shutter cam	1		
	961		* 90A1							Cup - Cam shaft lower spring	1		
	962		F76-50-6							Pin - No. 5/0 x 3/8 steel taper	1		
	963		B152-70							Washer	1		
	951		700							Pin	1		
33	965		20010							Collar - Safety	1		
33	966		102A1							Spring - Cam operating	1		
32	967		B152-102							Bearing - Cam shaft	1		
33	968		B322-A10							Housing Assembly - Shutter cam operating spring	1		
	969		* B91-B4							Castling Assembly - Housing	1		
	970		* 6A-91							Housing - Spring	1		
	971		* 292A12							Bushing - Upper cup	1		
	972		3A15							Bushing - Clutch	1		
	973		* 9A15							Gear - Idler	1		
	974		10A15							Pivot - Idler gear	1		
33	975		B91-B5							Cup Assembly - Upper spring	1		
	976		* 96A1							Cup - Spring	1		
	977		* B91-256							Gear - Shutter cam operating spring winding	1		
	272		385-50-4							Pin - No. 5/0 x 1/2 steel taper	1		
33	979		B322-A9							Clutch Assembly - Operating spring	1		
	980		* 13A15							Gear - Drive	1		
	981		* B322-63							Clutch - Shutter cam	1		
	982		* 14A15							Pin - Gear	2		
	607		B132-140							Pin - Clutch	1		
	984		* 17A15							Collar - Shaft	1		
	272		385-50-4							Pin - No. 5/0 x 1/2 steel taper	1		
33	986		B130-124							Plunger - Wind clutch lock	1		
33	987		815							Spring - Lock plunger	1		
33	988		500-6-5							Screw - No. 6-32 x 5/16 fil hd steel rustproof	3		
33	989		310A12							Screw - No. 6-32 x 5/16 hex hd steel rustproof	1		
33	990		AN935-6							Washer - No. 6 steel lock rustproof	4		
33	991		B298-124							Shaft - Trip control	1		
33	992		B298-55							Collar - Trip control shaft	1		
33	993		B298-A7							Actuating Assembly - Trip	1		
	994		C298-56							Lever - Trip actuating	1		
	995		B298-57							Pin - Cam stop release	1		
33	996		B298-58							Spacer - Shutter cam stop	2		
33	997		B152-44							Stop - Shutter cam	1		
33	944		B298-41							Pin - Locking retard segment shaft	1		

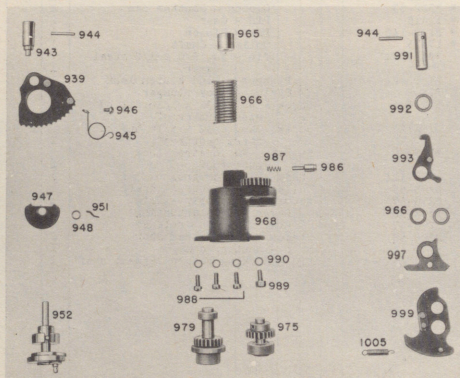
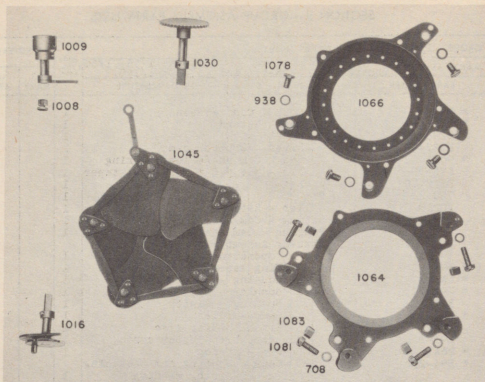


Figure 33



## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	GROUP Type F-56 Aircraft Camera						PROPERTY CLASSIFICATION		
		MAJOR ASSEMBLY Shutter Assy - 8-1/4 in. (Speeds 1/35, 1/50, 1/100, 1/150)						U.S. NAVY	U.S. ARMY	BRITISH
		PART NUMBER	1	2	3	4	5			
33	999	B298-A8						Segment Assembly - Snubber	1	
	1000	* B298-125						Segment - Snubber (no teeth)	1	
	1001	* B298-61						Post - Snubber segment spring	1	
	1002	* B298-62						Lock - Cam stop	1	
	1003	B298-84-3						Rivet	2	
	1004	B298-63						Post - Shutter case spring	1	
33	1005	B298-65						Spring - Snubber return	1	
32	1006	B322-43						Stop - Snubber segment	1	
	1007	B322-44						Washer - Snubber segment stop	1	
33	1008	B335-97						Pin - Shutter cam stop locking	1	
33	1009	B322-A4						Shaft Assembly - Trip lever	1	
	1401	* B322-6						Shaft - Trip lever	1	
	1011	* B152-45						Lever - Trip	1	
	517	* 325B1						Coupling - Trip	1	
	272	385-50-4						Pin - No. 5/0 x 1/2 steel taper	1	
32	1014	B322-7						Bushing - Shutter trip shaft	1	
	297	AN420-3-5						Rivet - 3/32 x 5/16 long iron	1	
								Clunk head rustproof	3	
33	1016	B322-A5						Shaft Assembly - Retard adjusting	1	
	1017	* B150-205						Cam - Adjusting	1	
	1018	* B322-8						Shaft - Retard adjusting	1	
	1019	* B322-16						Disc - Retard cam stop	1	
	169	F79-2-6						Pin - Dowel .0625 x .187 long steel	1	
	1021	* B298-10						Collar - Adjusting shaft	1	
	1022	F76-60-6						Pin - No. 6/0 x 3/8 steel taper rustproof	1	
	1023	* 224A86						Stud - Retard cam	1	
	1024	225A86						Spacer - Retard cam	1	
	1014	B322-7						Bushing - Shutter trip shaft	1	
	297	AN420-3-5						Rivet	3	
	1027	231A86						Spring - Retard cam stop	1	
	1028	249A86						Bracer - Retard cam stop spring	1	
	1029	AN435-3-3						Rivet - .093 x .187 long rd-hd iron	2	
33	1030	B322-A6						Shaft Assembly - Diaphragm adjusting	1	
	1031	* B322-9						Gear - Diaphragm adjusting	1	
	1032	* B322-10						Shaft - Diaphragm adjusting	1	
	1033	* B298-52						Pin	1	
	1021	* B298-10						Collar	1	
	1022	F76-60-6						Pin - No. 6/0 x 3/8 long steel taper rustproof	1	
32	1036	B322-11						Bushing - Diaphragm adjusting shaft	1	
	1037	AN435-3-5						Rivet	3	
	1038	B322-12						Plate - Name (engraving)	1	
	751	F67R-23-1/2						Rivet - 1/16 x .218 long rd-hd dural nickel plated	4	
	1040	B150-218						Lens - Bausch & Lomb 8-1/4 in. aerostigmat F:4	1	

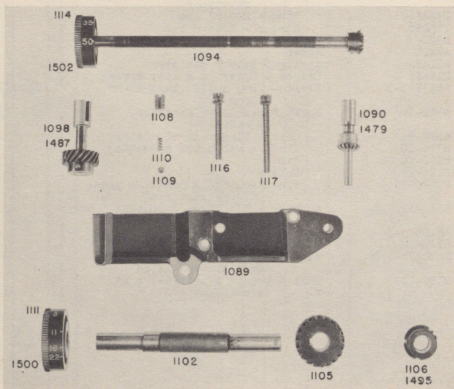
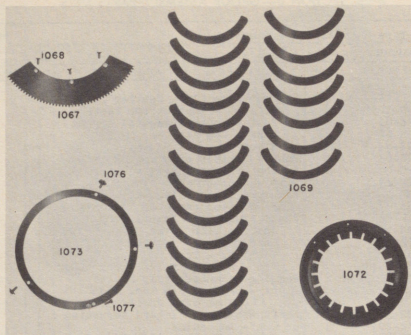


Figure 34

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK ID	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION			
			MAJOR ASSEMBLY Shutter Assy - 8-1/4 in. (Speeds 1/38, 1/50, 1/100, 1/150)							U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
32	1041		6187A					Cam -	Lens	locking	2		
	1042		6188A					Screw			2		
	708		AN935-8					Washer -	No. 8	steel lock dull chrome plate	2		
	1044		C152-A16-2					Leaf Assembly -	Complete shutter		1		
33	1045		2175C-1					Leaf Assembly -	Shutter		1		
	1046	*	B322-13					Link -	Drive		1		
	1047	*	869A1					Rivet -	Drive link		1		
	1048	*	133A28					Leaf -	Shutter		5		
	1049	*	138A28					Pivot -	Shutter leaf		5		
	1050	*	139A28					Link -	Connecting		5		
	1051	*	875A1					Plate -	Rotor		1		
	1052	*	135A28					Plate -	Outer rotor		4		
	1053	*	870A1					Rivet -	Plate		15		
	1054	*	858A1					Spacer -	No. 1 upper rotor	plate	1		
	1055	*	116A1					Spacer -	No. 1 lower rotor	plate	1		
	1056	*	857A1					Spacer -	No. 2 upper rotor	plate	1		
	1057	*	874A1					Spacer -	No. 2 lower rotor	plate	1		
	1058	*	856A1					Spacer -	No. 3 upper rotor	plate	1		
	1059	*	873A1					Spacer -	No. 3 lower rotor	plate	1		
	1060	*	855A1					Spacer -	No. 4 upper rotor	plate	1		
	1061	*	872A1					Spacer -	No. 4 lower rotor	plate	1		
	1062	*	876A1					Spacer -	No. 5 upper rotor	plate	1		
	1063	*	871A1					Spacer -	No. 5 lower rotor	plate	1		
33	1064		C1-881					Housing -	Shutter leaf top		1		
	1065		C322-A11					Housing Assembly -	Bottom		1		
33	1066		C322-45					Housing -	Bottom		1		
34	1067		B322-64					Sector -	Adjusting		1		
34	1068		505-B2-3					Screw -	No. 2-56 x 3/16	flthd brass black oxidized	3		
34	1069		A91-1F					Leaf Assembly -	Iris	diaphragm	20		
	1070	*	A91-214					Leaf -	Diaphragm		20		
	1071	*	A91-215					Stud -	Leaf		40		
34	1072		C152-33					Housing -	Iris diaphragm		1		
34	1073		B322-A7					Ring Assembly -	Retaining		1		
	1074	*	B322-14					Ring -	Shutter diaphragm	retaining	1		
	1075	*	A91-207					Pin -	Stop		2		



# SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	SYMBOL	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Control Assy - (Right In. Shutter Speed and Release)							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6			
34	1076		A91-208							Screw - Retaining ring	3	
34	1077		500-2-3							Screw - No. 2-56 x .187 long fil hd steel chem black	1	
33	1078		B91-201							Screw - Housing	4	
33	938		AN935-10							Washer - No. 10 steel lock rustproof	10	
	1080		293A53							Dowel - Housing	2	
33	1081		500-8-8							Screw - No. 8-32 x 1/2 fil hd steel rustproof	4	
33	708		AN935-8							Washer - No. 8 steel lock rustproof	4	
33	1083		B19A1							Nut - Housing screw	1	
	1084		B298-127							Plate - Shutter spring tension	1	
	1085		14050B							Plate - Blank	1	
	751		F67R-23-1/2							Rivet - 1/16 x .218 long rd-hd dural nickel plated	2	
	1087		C322-B1							Control Assembly - Shutter	1	
	1088	#	C322-D1							Control Assembly - Shutter	1	
34	1089		C322-30							Bracket - Shutter control	1	
34	1090		B322-B2							Shaft Assembly - Shutter retard coupling	1	
	1091	*	B322-31							Gear - Bevel	1	
	1092	*	B322-32							Shaft - Shutter retard coupling	1	
	208		385-60-3							Pin - No. 6/0 x 3/8 in. long steel taper	1	
34	1094		B322-B3							Shaft Assembly - Retard	1	
	1091	*	B322-31							Gear - Bevel	1	
	1096	*	B322-33							Shaft - Retard	1	
	170		385-60-4							Pin - No. 6/0 x 1/2 in. long steel taper	1	
34	1098		B322-B5							Shaft Assembly - Diaphragm coupling	1	
	1099	*	B322-41							Shaft - Diaphragm coupling	1	
	1100	*	B322-34							Gear - Spiral diaphragm control	1	
	1101		385-60-5							Pin - No. 6/0 x 5/8 long steel taper	1	
34	1102		B322-B6							Shaft Assembly - Diaphragm	1	
	1103		B322-38							Pin - Diaphragm adjusting shaft	1	
	1104	*	B322-39							Shaft - Diaphragm adjusting	1	
34	1105		B322-40							Pinion - Spiral diaphragm control	1	
34	1106		B322-42							Detent - Diaphragm	1	
	1107		F22-G62							Screw - 6-32 x 1/8 long half dog Allen headless set	1	
34	1108		B322-37							Screw - Detent ball stop	1	
34	1109		B281-254							Ball - 1/8 in. dia. steel	1	
34	1110		B281-255							Spring	1	
34	1111		C298-9-2							Knob - Diaphragm	1	
	1112		F22-G64							Screw - 6-32 x 1/4 in. long half dog Allen headless set	1	

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK #	GROUP Type F-56 Aircraft Camera							UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Rod Assembly - 8-1/4 In. Wind and Trip								U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6				
34	1113		C298-8-2					Knob - Retard			1		
	1114	#	B323-18					Knob - Retard			1		
	1101		385-60-5					Pin - No. 6/0 x 5/8 long steel taper			1		
34	1116		500-8-24					Screw - 8/32 x 1-1/2 in. long fil hd steel rustproof			1		
34	1117		500-8-20					Screw - 8/32 x 1-1/2 long fil hd steel rustproof			1		
	143		AN935-8L					Washer - No. 8 steel lock rustproof			2		
35	1119		B272-B1					Rod Assembly - Shutter wind			1		
	1120	*	B272-73					Tube - Shutter wind			1		
	1121		B272-74					Spring			1		
	1122		B272-75					Shaft - Wind rod			1		
	417		284					Pin - Stop			1		
	1124	*	377B1					Universal - Top wind			1		
	329		385-50-3					Pin - No. 5/0 x 3/8 steel taper			1		
35	1126		B272-B5					Rod Assembly - Trip			1		
	1127	*	B272-B6					Tube Assembly - Trip rod			1		
	1128	*	B272-90					Tube - Trip rod			1		
	1129	*	B356-432					Shaft - Coupling			1		
	1130		283					Pin			2		
	1131	*	B272-89					Ball - Trip coupling			1		
	32		F76-50-7					Pin - No. 5/0 x 7/16 steel taper			1		
	1133		870					Spring			1		
	1134	*	B356-434					Guide - Coupling rod spring			1		
	1135		B356-435					Pin - Spring guide			1		
	1136		B356-436					Collar - Coupling rod			1		
	1137	*	B272-88					Rod - Trip coupling			1		
36	1138		E324-A1					Cone Assembly - (12 volt)			1		
	1139	#	E324-C1					Cone Assembly - (24 volt)			1		
	1140		F324-1					Cone			1		
	1141		B324-2					Engraving - Name plate			-		
	1142	#	B324-17					Engraving - Name plate			-		
	749		11549-B					Plate - Name			1		
	750		11550-B					Plate - Patent numbers			1		
	751		F67R-23-1/2					Rivet - 1/16 dia. x 7/32 long RH dural black alum.			8		
	752		B272-59					Pin - Magazine locating			2		
	357		B121-577					Holder - Name plate			1		
	558		385-40-5					Pin - 4/0 x 5/8 long steel taper			1		
	578		385-40-6					Pin - 4/0 x 3/4 long steel taper			1		
	756		B150-A3					Level Assembly			1		
	757	*	A150-162					Level			1		
	758	*	B150-160					Case			1		
	759	*	A150-161					Cover			1		
	760		A150-163					Fulcrum			2		
	761		A150-164					Washer			1		
	762		A150-165					Spring			1		
	1157		B299-74-1					Trap - Recording door light			1		
	764		C299-A2					Door Assembly			1		
	765	*	C299-15					Door - Recording chamber			1		
	766		B299-16					Gasket - Recording chamber door			1		
	767		B299-35					Fastener			1		
	768		B299-18					Pin - Hinge			1		
	769		B299-36					Spring			1		
	770		AN430-4-6					Rivet - 1/8 dia. x 3/8 long alum. rd-hd			2		
	1165		AN960-4					Washer - No. 4 steel rustproof			2		

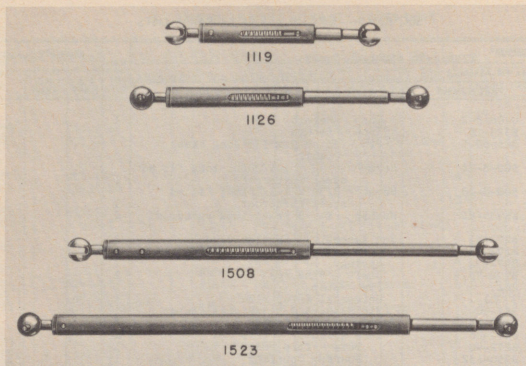


Figure 35

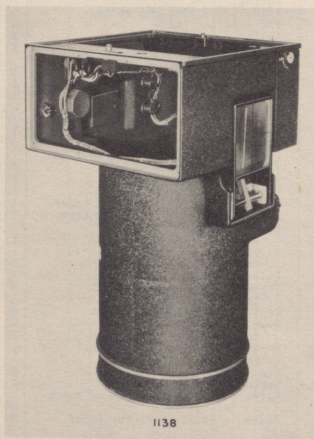


Figure 36



## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	S T O C K I D	GROUP Type F-56 Aircraft Camera							UNITS PER ASSEMBLY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Cone Assembly - Complete 20 Inches								U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6				
	772		B272-47							1			
	773		AN430-3-4							2			
	774		B299-34							1			
	775		B186-A6-1							1			
	776		B186-109							1			
	777		B186-A33-1							1			
	778		* B186-110-1							1			
	781	#	B186-117							1			
	780		A186-17							1			
	782	*	B186-94							1			
	783		B186-94							1			
	784		B186-94							1			
	785		B186-94							1			
	786	*	A171-42							1			
	787		F4-1206							1			
										1			
	1181		C324-A2							1			
	1182		C324-A3							1			
37	1183		B324-A4							1			
	1184	*	C324-3							1			
	1185	*	A156-148							1			
	792		A150-215							1			
										2			
37	1187		C324-4							1			
	1188		B324-5							1			
	1189		B324-6							1			
	1190		B324-7							1			
37	796		F9-63L							1			
										6			
	797		B272-A6							1			
	798		B272-12							1			
	799		A150-133							1			
37	208		385-60-3							1			
										1			
37	1196		B324-8							1			
	802		B272-13							1			
37	1198		B324-A5							1			
	1199		B324-9							1			
	1200		B324-10							1			
37	708		AN935-8							2			
37	352		F6-86L							1			
										2			
	805		B272-65							1			
	806		B299-A13							1			
	807	*	B299-72							1			
	808	*	B299-71							1			
	809		A186-76							2			
	810	*	B299-126							1			
	811		F79-2-3							1			

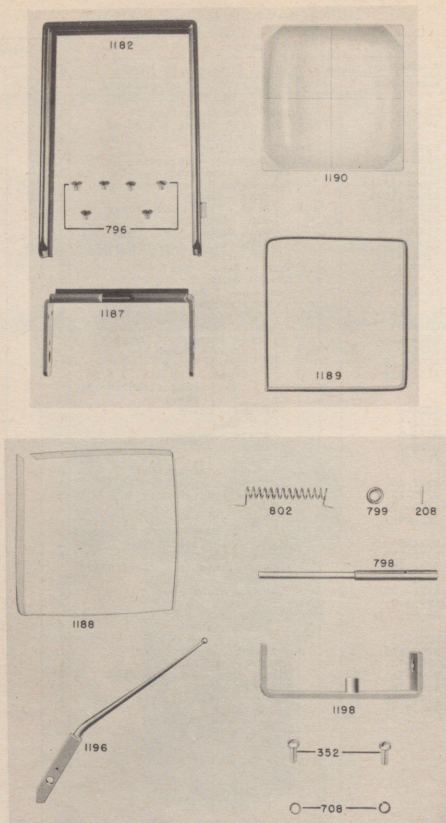


Figure 37

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK #	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Cone Assembly - Complete 20 Inches							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
	812		B299-73				Spring - Lens diaph click		1			
	813		A186-75				Screw - Diaphragm click		2			
	814		B299-69				Plate - Watch lens focusing sleeve		1			
30	1213		B324-11				Shield - Lens support light		1			
	819	#	B272-77				Shield - Lens support light		1			
30	1215		F13-4-4				Screw - No. 4-40 x 1/4 long		2			
	472		F79-2-5				bind. head steel rustproof		2			
	816		566-D6-4				Pin - .0625 dia. x .156 long steel		2			
	182		F22-C63				dowel		1			
	1219		B272-A8				Screw - No. 6-32 x 1/4 long cup		1			
	507		B272-50				point headless set		1			
	508		B272-51				Screw - No. 6-32 x 3/16 cup point		1			
	509		B272-52				Allen headless set		1			
	824		F68-33-1/2N				Block Assembly - Contact		4			
	825		AN505-4-4				Block - Contact		1			
	826		B299-122				Lug - Soldering		4			
	827		B299-31				Rivet - 3/32 dia. x .218 long		4			
	828		B299-32				rd & c'sunk hd brass		4			
	63		385-50-5				Screw - No. 4-40 x 1/4 lg. flthd		1			
	830		AN3102H-16-11P-1				steel rustproof		4			
	831		F9-45BN				Insulator - Contact block		1			
	837		B121-611				Guard - Retard knob		1			
	833		B299-101				Pin - Cone latch		1			
	834		AN3102H-16S-6S-1				Pin - No. 5/0 x 5/8 long steel		1			
	835		B299-127				taper rustproof		1			
	839	#	B121-644				Socket Assembly - Battery (light		1			
	831		F9-45BN				tight) no. 1 polarized		1			
	832		# B356-46				Screw - No. 4-40 x 5/16 flthd brass		2			
	840		B272-49				nickel plate		2			
	836		# B324-24				Gasket - Socket		2			
	841		B150-B3				Plate - Socket adapter		2			
	842		C150-191				Socket - Camera connector (light		1			
	843		A150-192				tight) no. 1 polarized		1			
	844		A150-196				Gasket - Socket adapter		2			
	845		F7-43BN				Screw - No. 4-40 x .215 rd-hd steel		7			
	312		AN935-4L				cad. plate		1			
	847		F79-4-12				Screw - No. 4-40 x 5/16 flthd brass		2			
							nickel plate		2			
							Cap - Protector connector		1			
							Grommet		2			
							Screw - Cap retaining		1			
							Handle Assembly - Left hand grip		1			
							Bracket - Frame		1			
							Washer - Rivet		1			
							Rivet - Frame		1			
							Screw - No. 4-40 x 3/16 rd-hd		8			
							brass nickel plate		8			
							Washer - Lock rustproof		1			
							Pin - Bracket		1			



# SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	S I O C K E D	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION			
			MAJOR ASSEMBLY		Cone Assembly - Complete 20 Inches					U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
848			B150-124					Frame		1			
677			F8-85BN					Screw - No. 8-32 x 5/16 french head - nickel plate		4			
676			181A115					Tubing - Grip		2			
675			180A115					Grip - Handle		1			
678			B150-225					Screw - Handle retaining		2			
456			A150-193					Bushing - Handle screw		2			
578			385-A0-6					Pin - No. 4/0 x 3/4 taper		-			
855			C272-86					Wiring Diagram		1			
856			D299-A10					Cable		-			
857			A-RC4-328					Cord - No. 6 wax x 6 feet long		1			
858			F12-G18					Wire - White no. 18 supercor (27 inches)		1			
858			F12-G18					Wire - White no. 18 supercor (9 inches)		1			
858			F12-G18					Wire - White no. 18 supercor (7 inches)		1			
858			F12-G18					Wire - White no. 18 supercor (12 inches)		1			
862			F12-M18					Wire - Black no. 18 supercor (6-1/2 inches)		1			
862			F12-M18					Wire - Black no. 18 supercor (9 inches)		1			
862			F12-M18					Wire - Black no. 18 supercor (7 inches)		1			
865			F12-J18					Wire - Yellow & black no. 18 supercor (18 inches)		1			
866			F12-C18					Wire - Blue no. 18 supercor (24 inches)		1			
682			F12-E22					Wire - Green no. 22 supercor (33 inches)		1			
868			F12-P22					Wire - Brown & white no. 22 supercor (44 inches)		1			
681			F12-O22					Wire - Brown no. 22 supercor (21-1/2 inches)		1			
870			# F38-30-1					Lug - Terminal		1			
871			F50-500					Clip		5			
872			B299-123					Insulator - Cable clamp		5			
1272			936A6					Washer - Lock internal tooth shake-proof		5			
874			F53-21-8Y-3-5					Resistor - Glashow 8 inch 3.0 u ± 5% series FYG		1			
875			AN515-6-3					Screw no. 6-32 x 3/16 rd-hd steel rustproof		5			
876			F49-6					Relay		2			
881			AN960-6					Washer - Plain steel rustproof		1			
877			B299-45					Cover - Relay		1			
878			F67R-42					Rivet - .125 dia. x .125 long Thomson drive rd-hd alum.		2			

# SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Cone Assembly - Complete 20 Inches							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6			
879			AN505-5-5						Screw - No. 5-40 x 5/16 flthd steel	2		
880			500-6-4						Screw - No. 6-32 x 1/4 fil hd steel - rustproof	2		
179			AN935-6L						Washer - Lock no. 6 split steel rustproof	2		
883			F53-21-3X-14-5						Resistor - Glashow 3 inch 14 ± 5% series FXG 12 volt	1		
884	#		F53-21-3X-33-5						Resistor - Glashow 3 inch 33 u ± 5% series FXG 24 volt	1		
885			B299-A14						Bracket Assembly - Battery	1		
886			B299-75						Bracket - Battery support	1		
887			F68R-45N						Rivet - Drilled 1/8 x 5/16 brass white nickel plate	4		
888			B299-76						Washer - Insulating	7		
889			B299-77						Tube - Insulating	4		
891			B299-78						Washer - Cup	3		
890			B299-91						Washer - Plain	3		
892			B299-79						Spring - Contact pressure	3		
893			B299-80						Washer - Cup	3		
894			F48-23						Washer - 1/4 inch OD - .128 dia. hole brass cad. plate	3		
895			B299-81						Strip - Connecting	2		
896			F38-17-3						Terminal	2		
897			F68-47N						Rivet - 1/8 x 7/16 rd-hd brass white nickel plate	2		
898			F4-1210						Washer - Lock no. 10 shakeproof	2		
899			B299-124						Bushing - Insulating	2		
900			B299-125						Washer	2		
901			F13-63BX						Screw - No. 6-32 bind. hd brass black nickel plate	3		
902			F72-6						Washer - Lock no. 6 split type stain. steel	3		
903			B299-82						Cell - Battery	3		
1303			B299-A9						Clip Assembly - Motor	1		
905			B299-42						Insulation - Clip	1		
906			B299-43						Clip - Motor	2		
901			F13-63BX						Screw - No. 6-32 x 3/16 bind. hd brass black nickel	2		
908			B299-120						Spacer - Terminal board	1		
909			500-6-10						Screw - No. 6-32 x 5/8 long steel fil hd rustproof	2		
910			B299-121						Insulator - Terminal board	1		
881			AN960-6						Washer - No. 6 steel plain rust-proof	2		
179			AN935-6L						Washer - No. 6 steel lock (light series) rustproof	2		
913			B299-44						Cover	1		
914			B272-84						Bushing - Manual wind clutch	1		
915			B272-A25						Clutch Assembly - Manual wind	1		

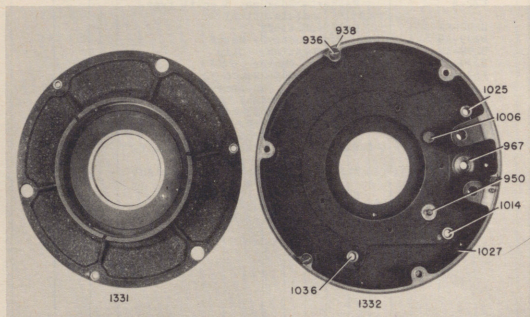
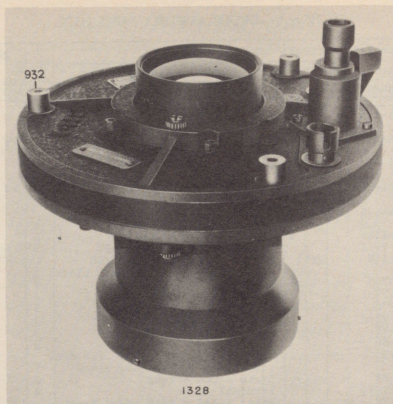


Figure 38



# SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	SYMBOL	GROUP Type F-56 Aircraft Camera							UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Cone Assembly - Complete 20 Inches								U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6				
									NOMENCLATURE				
	879		AN505-5-5						Screw - No. 5-40 x 5/16 flthd steel	2			
	880		500-6-4						Screw - No. 6-32 x 1/4 fil hd steel - rustproof	2			
	179		AN935-6L						Washer - Lock no. 6 split steel rustproof	2			
	883		F53-21-3X-14-5						Resistor - Glashom 3 inch 14 ± 5% series FXG 12 volt	1			
	884	#	F53-21-3X-33-5						Resistor - Glashom 3 inch 33 u ± 5% series FXG 24 volt	1			
	885		B299-A14						Bracket Assembly - Battery	1			
	886		B299-75						Bracket - Battery support	1			
	887		F68R-45N						Rivet - Drilled 1/8 x 5/16 brass white nickel plate	4			
	888		B299-76						Washer - Insulating	7			
	889		B299-77						Tube - Insulating	4			
	891		B299-78						Washer - Cup	3			
	890		B299-91						Washer - Plain	3			
	892		B299-79						Spring - Contact pressure	3			
	893		B299-80						Washer - Cup	3			
	894		F48-23						Washer - 1/4 inch OD - .128 dia. hole brass cad. plate	3			
	895		B299-81						Strip - Connecting	2			
	896		F38-17-3						Terminal	2			
	897		F68-47N						Rivet - 1/8 x 7/16 rd-hd brass white nickel plate	2			
	898		F4-1210						Washer - Lock no. 10 shakeproof	2			
	899		B299-124						Bushing - Insulating	2			
	900		B299-125						Washer	2			
	901		F13-63BX						Screw - No. 6-32 bind. hd brass black nickel plate	3			
	902		F72-6						Washer - Lock no. 6 split type stain. steel	3			
	903		B299-82						Cell - Battery	3			
	1303		B299-A9						Clip Assembly - Motor	1			
	905		B299-42						Insulation - Clip	1			
	906		B299-43						Clip - Motor	2			
	901		F13-63BX						Screw - No. 6-32 x 3/16 bind. hd brass black nickel	2			
	908		B299-120						Spacer - Terminal board	1			
	909		500-6-10						Screw - No. 6-32 x 5/8 long steel fil hd rustproof	2			
	910		B299-121						Insulator - Terminal board	1			
	881		AN960-6						Washer - No. 6 steel plain rust-proof	2			
	179		AN935-6L						Washer - No. 6 steel lock (light series) rustproof	2			
	913		B299-44						Cover	1			
	914		B272-84						Bushing - Manual wind clutch	1			
	915		B272-A25						Clutch Assembly - Manual wind	1			

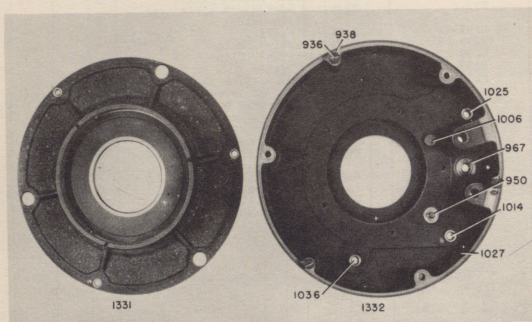
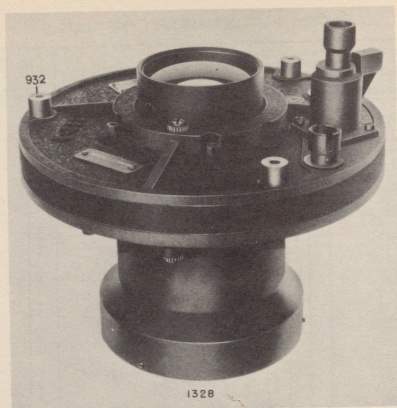


Figure 38

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK NUMBER	GROUP								UNITS PER ASSY	PROPERTY CLASSIFICATION		
			Type F-56 Aircraft Camera									U.S. NAVY	U.S. ARMY	BRITISH
			MAJOR ASSEMBLY Shutter Assembly - 20 In. (Speeds 1/35 1/50 1/100, 1/150)											
			PART NUMBER	1	2	3	4	5	6	NOMENCLATURE				
	916		B272-61							Clutch - Manual wind crank	1			
	917		B271-1261							Head - Spherical	1			
	918		B272-A26							Handle Assembly - Winding	1			
	919		B250-87							Handle - Winding	1			
	920		* B167-187							Knob - Winding handle	1			
	921		B167-188							Pivot - Winding handle knob	1			
	922		A156-75							Spring - Winding handle plunger	1			
	923		A156-76							Plunger - Winding handle	1			
	924		B272-83							Shaft - Manual winding handle	1			
	925		B272-A24							Shaft Assembly - Drive coupling	1			
	926		* B272-70							Shaft	1			
	927		403B1							Spring	1			
	928		2097							Pin	1			
38	1328		E323-A1							Cover Assembly - Shutter case and	1			
	931		24A1							Gasket - Shutter case	1			
	1330		C323-A2							Cover Assembly - Case and (mach				
										dwg)	1			
38	1331		* D323-1							Cover - Shutter	1			
38	1332		* E323-2							Case - Shutter	1			
38	936		500-10-6							Screw - No. 10-24 x 3/8 fil hd				
										steel rustproof	3			
	937		865A1							Dowel - Shutter case	1			
38	938		AN935-10							Washer - No. 10 steel lock				
										rustproof	3			
	1336		AN515-1032							Screw - No. 10-24 x 2 inch rd-hd				
										rustproof steel	3			
	932		B323-3							Post - Shutter locating	3			
	938		AN935-10							Washer - No. 10 steel lock rust-				
										proof	3			
39	939		B91-B2							Segment Assembly - Retard	1			
	940		* 221-A86							Segment - Retard	1			
	941		* 222-A86							Pin - Stop	1			
	942		* 19A28							Pin - Retard segment spring	1			
39	943		826A1							Shaft - Retard segment	1			
39	944		B298-41							Pin - Locking retard segment shaft	1			
39	945		828A1							Retard - Segment spring	1			
39	946		859A1							Screw - Segment spring	1			
39	947		B152-104							Pallet - Retard	1			
39	948		B152-91							Washer - Retard and snubber pallets	1			
	1349		B298-44							Washer - Retard and snubber pallets	1			
39	950		B152-61							Stud - Retard pallet	1			
39	951		700							Pin - S	1			
	1084		B298-127							Plate - Shutter spring tension	1			
	1085		14050B							Plate - Name blank	1			
	751		F67R-23 1/2							Rivet - 1/16 x .218 long rd-hd				
										dural nickel plate	2			
39	952		B322-A2							Shaft Assembly - Shutter cam	1			
	953		* 839A1							Shaft - Cam	1			



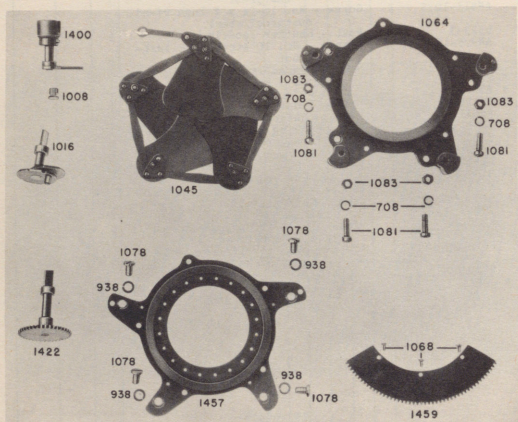
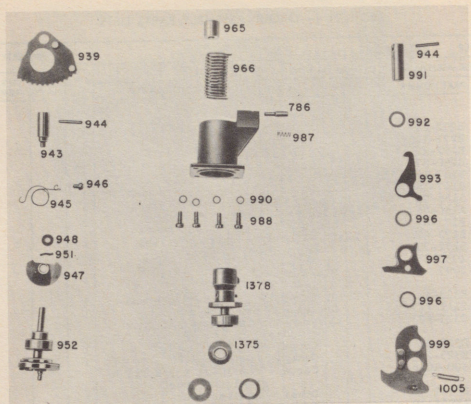


Figure 39

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK #	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Shutter Assembly - 20 In. (Speeds 1/35, 1/50, 1/100, 1/160)							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6			
	954		* B322-A3							1		
	955		* B322-3							1		
	956		* 840A1							1		
	1360		* B322-4							1		
	958		* B322-5							1		
	959		* B298-84-2							2		
	32		* 90A1							1		
	961		F76-50-7							1		
	963		B152-70							1		
	951		700							1		
39	965		20010							1		
39	966		102A1							1		
38	967		B152-102							1		
39	988		500-6-5							4		
39	990		AN935-6							4		
1372			10424P							1		
	1373		B152-A18							1		
	1374		92A1							1		
39	1375		95-A1							1		
39	786		B130-124							1		
39	987		815							1		
39	1378		B323-A5							1		
	1379		* B323-21							1		
	1380		* 278							1		
	1381		385-50-4							1		
	976		96A1							1		
39	991		B298-124							1		
39	992		B298-55							1		
39	993		B298-A7							1		
39	994		* C298-56							1		
	995		* B298-57							1		
39	996		B298-58							2		
39	997		B152-44							1		
39	944		B298-A1							1		
39	999		B298-A8							1		
1000			* B298-125							1		
1001			* B298-61							1		
1002			* B298-62							1		
1395			B298-84-1							3		
1004			B298-63							1		
1005			B298-65							1		
38	1006		B322-A3							1		
	1007		B322-A4							1		
39	1400		B322-A4							1		
	1401		* B322-6							1		
	1011		* B152-A5							1		

# SECTION II—GROUP ASSEMBLY PARTS LISTS

		GROUP Type F-56 Aircraft Camera							UNITS PER ASSY	PROPERTY CLASSIFICATION		
FIG. NO.	INDEX NO.	MAJOR ASSEMBLY Shutter Assy - 20 In. (Speeds 1/35, 1/50, 1/100, 1/150)							U.S. NAVY	U.S. ARMY	BRITISH	
		PART NUMBER	1	2	3	4	5	6				NOMENCLATURE
	517	* 325B1							Coupling - Trip	1		
	272	385-50-4							Pin - No. 5/0 x 1/2 steel taper	1		
39	1008	B335-97							Pin - Shutter cam stop looking	1		
38	1025	B322-7							Bushing - Shutter trip shaft	1		
	297	AN420-3-5							Rivet - 3/32 x 5/16 long iron	3		
									c/sunk hd rustproof	1		
39	1016	B322-A5							Shaft Assembly - Retard adjusting	3		
	1017	* B150-205							Cam - Adjusting	1		
	1018	* B322-8							Shaft - Retard adjusting	1		
	1019	* B322-16							Disc - Retard cam stop	1		
	169	F79-2-6							Pin - Dowel .0625 x .187 long	1		
									steel	1		
	1021	* B298-10							Collar - Adjusting shaft	1		
	1022	F76-60-6							Pin - No. 6/0 x 3/8 steel taper	1		
									rustproof	1		
	1023	* 224A86							Stud - Retard cam	1		
	1024	225A86							Spacer - Retard cam	1		
38	1014	B322-7							Bushing - Shutter trip shaft	1		
	297	AN420-3-5							Rivet	3		
38	1027	231A86							Spring - Retard cam stop	1		
	1028	249A86							Bracer - Retard cam stop spring	1		
	1029	AN435-3-3							Rivet - .093 x .187 long rd-hd	2		
									iron	1		
39	1422	B322-A6-1							Shaft Assembly - Diaphragm adj	1		
	1031	* B322-9							Gear - Diaphragm adjusting	1		
	1032	* B322-10							Shaft - Diaphragm adjusting	1		
	1033	* B298-52							Pin	1		
	1021	* B298-10							Collar	1		
	1022	F76-60-6							Pin - No. 6/0 x 3/8 long steel	1		
									taper rustproof	1		
38	1036	B322-11							Bushing - Diaphragm adjusting shaft	1		
	1037	AN435-3-5							Rivet	3		
	1430	B323-4							Plate - Name (engraving)	1		
	751	F67R-23-1/2							Rivet - 1/16 x .218 long rd-hd	4		
									dural nickel plate	1		
	1432	C323-A3							Lens - Telephoto anastigmat 20 in.	1		
									F5.6	2		
	1041	6187A							Cam - Lens locking	2		
	1042	6188A							Screw	2		
	708	AN935-8							Washer - No. 8 steel lock dull	2		
									chrome plate	1		
	1436	C152-A16-3							Leaf Assembly - Complete shutter	2		
39	1045	2175C-1							Leaf Assembly - Shutter	1		
	1046	* B322-13							Link - Drive	1		
	1047	* 869A1							Rivet - Drive link	1		
	1048	* 133A28							Leaf - Shutter	5		
	1049	* 138A28							Pivot - Shutter leaf	5		
	1050	* 139A28							Link - Connecting	5		
	1051	* 875A1							Plate - Rotor	1		
	1052	* 135A28							Plate - Outer rotor	4		
	1053	* 870A1							Rivet - Plate	15		
	1054	* 858A1							Spacer - No. 1 upper rotor	1		
									plate	1		
	1055	* 116A1							Spacer - No. 1 lower rotor	1		
									plate	1		
	1056	* 857A1							Spacer - No. 2 upper rotor	1		
									plate	1		



## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK NO.	GROUP Type F-56 Aircraft Camera						PROPERTY CLASSIFICATION				
			MAJOR ASSEMBLY Control Assembly - 20 In. and Diaphragm						UNITS PER ASSY	U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
	1057		* 874A1						Spacer - No. 2 lower rotor plate	1			
	1058		* 856A1						Spacer - No. 3 upper rotor plate	1			
	1059		* 873A1						Spacer - No. 3 lower rotor plate	1			
	1060		* 855A1						Spacer - No. 4 upper rotor plate	1			
	1061		* 872A1						Spacer - No. 4 lower rotor plate	1			
	1062		* 876A1						Spacer - No. 5 upper rotor plate	1			
	1063		* 871A1						Spacer - No. 5 lower rotor plate	1			
39	1064		C1-881						Housing - Shutter leaf top	1			
39	1457		C322-A11-1						Housing Assembly - Bottom	1			
	1066		C322-45						Housing - Bottom	1			
39	1459		B323-22						Sector - Adjusting	1			
39	1068		505-B2-3						Screw - No. 2-56 x 3/16 flthd brass black oxidize	3			
40	1069		A91-1F						Leaf Assembly - Iris diaphragm	20			
	1070		* A91-214						Leaf - Diaphragm	20			
	1071		* A91-215						Stud - Leaf	40			
40	1072		C152-33						Housing - Iris diaphragm	1			
40	1073		B322-A7						Ring Assembly - Retaining	1			
	1074		B322-14						Ring - Shutter diaphragm retaining	1			
	1075		A91-207						Pin - Stop	2			
40	1076		A91-208						Screw - Retaining ring	3			
40	1077		500-2-3						Screw - No. 2-56 x .187 long fil hd steel chem black	1			
39	1078		B91-201						Screw - Housing	4			
	938		AN935-10						Washer - No. 10 steel lock rpf	10			
	1080		293A53						Dowel - Housing	2			
39	1081		500-8-8						Screw - No. 8-32 x 1/2 fil hd steel rustproof	4			
39	708		AN935-8						Washer - No. 8 steel lock rustproof	6			
39	1083		819A1						Nut - Housing screw	4			
	1476		C322-B1-1						Control Assembly - Shutter	1			
	1477	#	C323-D1						Control Assembly - Shutter	1			
34	1089		C322-30						Bracket - Shutter control	1			
34	1479		B323-A6						Shaft Assembly - Shutter retard coupling	1			
	1091		* B322-31						Gear - Bevel	1			
	1481		B323-23						Shaft + Shutter retard coupling	1			
	170		385-60-4						Pin - No. 6/8 x 1/2 in. long steel taper	1			
34	1094		B322-B3						Shaft Assembly - Retard	1			
	1091		* B322-31						Gear - Bevel	1			
	1096		* B322-33						Shaft + Retard	1			
	170		385-60-4						Pin - No. 6/8 x 1/2 in. steel taper	1			
34	1487		B323-A7						Shaft Assembly - Diaphragm coupling	1			
	1488		* B323-24						Shaft + Diaphragm coupling	1			
	1100		* B322-34						Gear - Spiral diaphragm control	1			

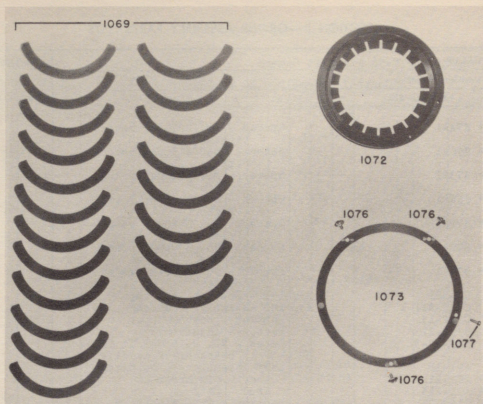


Figure 40

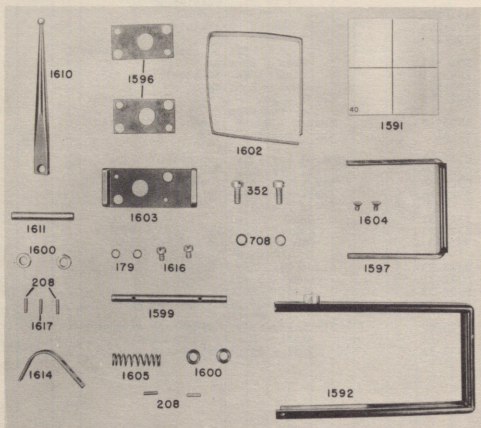


Figure 41

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK #	GROUP Type F-56 Aircraft Camera							UNITS PER ASSY	PROPERTY CLASSIFICATION								
			MAJOR ASSEMBLY Rod Assembly - 20 In. Wind and Trip								U.S. NAVY	U.S. ARMY	BRITISH						
			PART NUMBER	1	2	3	4	5	6					NOMENCLATURE					
	1101		385-60-5																
	1102		B322-B6																
	1103		B322-3C																
	1104		* B322-39																
	1105		B322-40																
	1495		B323-5																
	1107		F22-G62																
	1108		B322-37																
	1109		B281-254																
	1110		B281-255																
	1500		C298-9-3																
	1112		F22-G64																
	1502		C298-8-3																
	1114		B323-18																
	1101		385-60-5																
	1116		500-8-24																
	1117		500-8-20																
	143		AN935-8L																
	1508		B324-B3																
	1509		B324-D1																
	1510		* B324-B4																
	1511		B324-D2																
	1512		* B324-20																
	1129		* B356-432																
	1514		* B356-433																
	32		F76-50-7																
	1516		B356-224																
	1517		* B356-441																
	1133		870																
	1134		* B356-434																
	1135		B356-435																
	1521		* B324-19																
	1136		* B356-436																
	1523		B324-B5																
	1524		* B324-B6																
	1525		* B324-21																
	1129		* B356-432																
	1131		* B272-89																
	1130		283																
	32		F76-50-7																
	1516		B356-224																
	1517		* B356-441																
	1133		870																
	1533		* B324-18																
	1134		* B356-434																
	1135		B356-435																
	1136		* B356-436																
	1537		E326-A1																
	1538		E326-D1																
	1539		E326-A2																



## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	S E C T I O N	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION			
			MAJOR ASSEMBLY Cone Assembly - Complete 40 In.							U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5	6				NOMENCLATURE
	456		A150-193					Bushing	-	Handle screw	2		
	1541		* F326-10					Cone			1		
	578		385-40-6					Pin	-	No. 4/0 x 3/4 taper	1		
	1543		C326-11					Tubing			1		
	1544		* E326-12					Adapter	-	Shutter (upper)	1		
	1545		* D326-13					Adapter	-	Shutter (lower)	1		
	770		AN430-4-6					Rivet	-	1/8 dia. x 3/8 long alum. rd-hd	24		
47	212		AN935-10L					Washer	-	No. 10 lock rustproof	10		
47	1543		501-10-10					Screw	-	No. 10.32 x 5/8 fil hd steel rustproof	10		
	1549		B326-14					Plate	-	Engraving name	-		
	1550	#	B326-36					Plate	-	Engraving name	-		
	749		11549B					Plate	-	Blank name	1		
	750		11550B					Plate	-	Patent	1		
	751		F67R-23-1/2					Rivet	-	1/16 dia. x 7/32 RH dural black alum.	8		
	752		B272-59					Pin	-	Magazine locating	2		
	357		B121-577					Holder	-	Name plate	1		
	558		385-40-5					Pin	-	4/0 x 5/8 long taper steel	1		
	1557		385-40-7					Pin	-	4/0 x 7/8 long taper steel	1		
	578	#	385-40-6					Pin	-	4/0 x 3/4 long taper steel	1		
	756		B150-A3					Level Assembly			1		
	757	*	A150-162					Level			1		
	758	*	B150-160					Case			1		
	759	*	A150-161					Cover			1		
	760		A150-163					Fulcrum			1		
	761		A150-164					Washer			2		
	762		A150-165					Spring			1		
	763		B299-74					Trap	-	Recording door light	1		
	764		C299-A2					Door Assembly			1		
	765	*	C299-15					Door	-	Recording chamber	1		
	766		B299-16					Gasket	-	Recording chamber door	1		
	767		B299-35					Fastener			1		
	768		B299-18					Pin	-	Hinge	1		
	769		B299-36					Spring			1		
	770		AN430-4-6					Rivet	-	1/8 dia. x 3/8 long alum. RH	2		
	1165		AN960-4					Washer	-	No. 4 steel rustproof	2		
	772		B272-47					Socket	-	Recording lamp	1		
	1576		AN425-3-5					Rivet	-	3/32 dia. x 5/16 long c/sunk hd alum.	2		
	774		B299-34					Lamp	-	Recording	1		
	775		B186-A6-1					Watch Assembly	-	Recording	1		
	776		B186-109					Watch	-	Recording	1		
	777		B186-A33-1					Case Assembly	-	Watch	1		
	778	*	B186-110-1					Case	-	Watch	1		
	1582	#	B186-117-1					Stud	-	Watch case screw	1		
	780		A186-17					Pin	-	Locating	1		
	1175	#	118-B-94					Cover	-	Watch case	1		
	1783		119-B-94					Glass	-	Cover	1		
	734		313-A-49					Clip	-	Case	1		
	785		260-A-49					Knob	-	Case	1		
	786	*	A171-42					Stem	-	Watch	1		
	787		F4-1206					Washer	-	No. 6 internal tooth shakeproof rustproof	1		
	1590		C326-A5					Finder Assembly	-	Oblique view	1		
41	1591		B326-9					Lens			1		
41	1592		B326-A3					Frame Assembly	-	Upper	1		

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK #	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Cone Assembly - Complete 40 In.							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
	1593		* C326-20					Frame - Upper	1			
	1594		* B326-21					Block - Stop	1			
	792		A150-215					Rivet - 1/8 dia. x 5/16 long c'sunk hd stain. steel	2			
41	1596		B326-35					Shim - Viewfinder	1			
41	1597		B326-16					Frame - Lower	1			
	1598		B326-A4					Shaft Assembly - Viewfinder	1			
41	1599		B326-23					Shaft - Viewfinder	1			
41	1600		B326-22					Collar - Viewfinder	2			
41	208		385-60-3					Pin - No. 6/0 x 3/8 long steel taper rustproof	2			
41	1602		B326-15					Packing - Viewfinder	1			
41	1603		B326-19					Support - Viewfinder	1			
41	1604		F9-43L					Screw - No. 4-40 x 3/16 long c'sunk hd stain. steel	2			
41	1605		B326-18					Spring	1			
41	352		F6-86L					Screw - No. 8-32 x 3/8 fil hd stain. steel	2			
41	708		AN935-8L					Washer - No. 8 lock rustproof	2			
	1608		B326-17					Buffer - Viewfinder	1			
	1609		B326-A6					Sight Assembly	1			
41	1610		B326-24					Sight	1			
41	1611		B326-25					Shaft	1			
41	1600		B326-22					Collar	2			
41	208		385-60-3					Pin - No. 6/0 x 3/8 long steel taper rustproof	2			
41	1614		B326-26					Spring	1			
41	179		AN935-6L					Washer - No. 6 steel lock rustproof	2			
41	1616		500-6-3					Screw - No. 6-32 x 3/16 long steel fil hd	2			
41	1617		F79-4-6					Pin - .187 long x .1250 dia. dowel	1			
	806		B299-A13					Lens Assembly - Recording	1			
	807		* B299-72					Lens - Recording	1			
	808		* B299-71					Ring - Lens diaphragm dial	1			
	809		A186-76					Pin - Lens dial ring	2			
	810		* B299-126					Sleeve - Watch lens focusing	1			
	811		F79-2-3					Pin - Dowel	1			
	812		B299-73					Spring - Lens diaphragm click	1			
	813		A186-75					Screw - Diaphragm click	2			
	814		B299-69					Plate - Watch lens focusing sleeve	1			
	816		566-D6-4					Screw - No. 6-32 x 1/4 cup point headless set	1			
	182		F22-C63					Screw - No. 6-32 x 3/16 cup point allen headless set	1			
	820		B272-A8					Block Assembly - Contact	1			
	507		B272-50					Block - Contact	1			
	508		B272-51					Contact	4			
	509		B272-52					Lug - Soldering	4			
	824		F68-33-1/2N					Rivet - 3/32 dia. x .218 long rd & p'sunk head brass	4			
	825		AN505-4-4					Screw - No. 4-40 x 1/4 long filthd steel rustproof	4			
	826		B299-122					Insulator - Contact block	1			
	827		B299-31					Guard - Retard knobs	1			
	828		B299-32					Pin - Cone latch	1			
	191		385-50-6					Pin - No. 5/0 x 3/4 long steel taper rustproof	1			

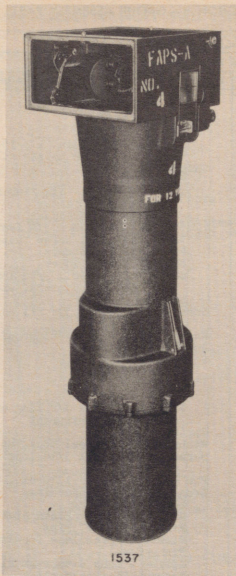


Figure 42



## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	SYMBOL	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Cone Assembly - Complete 40 In.							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6			
833			B299-101						Plate - Socket adapter	2		
830			AN3102H-16-11P-1						Socket Assembly - Battery (light tight) no. 1 polarized	1		
831			F9-45BN						Screw - No. 4-40 x 5/16 flthd brass nickel plate	4		
835			B299-127						Gasket - Socket adapter plate	2		
834			AN3102H-16S-6s-1						Socket - Camera connector (light tight)	1		
832	#	B356-46							Cap - Connector protector no. 1 polarized	1		
839	#	B121-644							Screw - No. 4-40 x .215 rd-hd steel dad. plate	7		
837		B121-611							Gasket - Socket	2		
845		F7-43BN							Screw - No. 4-40 x 3/16 rd-hd brass nickel plate	8		
836	#	B324-24							Screw - Caps retaining	1		
312		AN935-4L							Washer - Lock rustproof	8		
840		B272-49							Grommet	2		
841		B150-B3							Handle Assembly - Left hand grip	1		
842		C150-191							Bracket - Frame	1		
843		A150-192							Washer - Rivet	1		
844		A150-196							Rivet - Frame	1		
847		F79-4-12							Pin - Bracket	1		
848		B150-124							Frame	1		
677		F8-85BN							Screw - No. 8-32 x 5/16 french head nickel plate	4		
676		181A115							Tubing - Grip	2		
675		180A115							Grip - Handle	1		
678		B150-225							Screw - Handle retaining	2		
855		C272-86							Wiring Diagram	-		
856		D299-A10							Cable	1		
857		A-RC4-328							Cord - No. 6 wax x 6 feet long	1		
858		F12-G18							Wire - White no. 18 supercor (27 inches)	1		
858		F12-G18							Wire - White no. 18 supercor (9 inches)	1		
858		F12-G18							Wire - White no. 18 supercor (7 inches)	1		
858		F12-G18							Wire - White no. 18 supercor (12 inches)	1		
862		F12-M18							Wire - Black no. 18 supercor (6-1/2 inches)	1		
862		F12-M18							Wire - Black no. 18 supercor (9 inches)	1		
862		F12-M18							Wire - Black no. 18 supercor (7 inches)	1		
865		F12-J18							Wire - Yellow and black no. 18 supercor (18 inches)	1		
866		F12-C18							Wire - Blue no. 18 supercor (24 inches)	1		

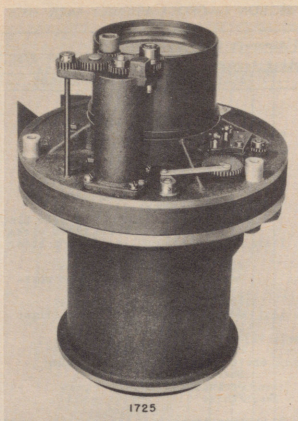
# SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	SYMBOL	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION			
			MAJOR ASSEMBLY Cone Assembly - Complete 40 In.							U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
682			F12-E22					Wire	-	Green no. 22 supercor (33 inches)	1		
868			F12-P22					Wire	-	Brown and white no. 22 supercor (44 inches)	1		
681			F12-022					Wire	-	Brown no. 22 supercor (41-1/2 inches)	1		
871			F50-500					Clip			5		
872			B299-123					Insulator	-	Cable clamp	5		
1272			936AG					Washer	-	Lock internal tooth shakeproof	5		
870			F38-30-1					Lug	-	Terminal	1		
875			AN515-6-3					Screw	-	No. 6-32 x 3/16 RH steel rustproof	5		
876			F49-6					Relay			1		
877			B299-45					Cover	-	Relay	1		
874		#	F53-21-8Y-3-5					Resistor	-	Glasohm 8 in. 3.0 u ± 5% series FYG 24 volt	1		
878			F67R-42					Rivet	-	1/25 dia. x .125 long Thomson drive RH	2		
879			AN505-5-5					Screw	-	No. 5-40 x 5/16 flthd steel black nickel plate	2		
880			500-6-4					Screw	-	No. 6-32 x 1/4 fil hd steel rustproof	2		
881			AN960-6					Washer	-	Plain steel rustproof	2		
179			AN935-6L					Washer	-	Lock no. 6 split steel rustproof	2		
883			F53-21-3X-14-5					Resistor	-	Glasohm 3 in. 14 ± 5% series FYG 12 volt	1		
884		#	F53-21-3X-33-5					Resistor	-	Glasohm 3 in. 33 u ± 5% series FYG 24 volt	1		
885			B299-A14					Bracket	-	Battery support	1		
886			B299-75					Bracket	-	Battery support	1		
887			F68R-45N					Rivet	-	Drilled 1/8 dia. x 5/16 long RH brass white nickel plate	4		
888			B299-76					Washer	-	Insulating	7		
889			B299-77					Tube	-	Insulating	4		
890			B299-91					Washer	-	Plain	3		
891			B299-78					Washer	-	Cup	3		
892			B299-79					Spring	-	Contact pressure	3		
893			B299-80					Washer	-	Cup	3		
894			F48-23					Washer	-	1/4 in. OD .128 dia. hole brass cad. plate	3		
895			B299-81					Strip	-	Connecting	2		
896			F38-17-3					Terminal			2		
897			F68-47N					Rivet	-	1/8 x 7/16 RH brass white nickel plate	2		
898			F4-1210					Washer	-	Lock no. 10 shakeproof	2		
899			B299-124					Bushing	-	Insulating	2		
900			B299-125					Washer			2		

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK NUMBER	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Shutter Assembly - 40 In. (Speeds 1/35, 1/50, 1/100, 1/150)							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
	901		F13-63BX						Screw - No. 6-32 bind. hd brass black nickel plate	3		
	902		F72-6						Washer - Lock no. 6 split type stainless steel	3		
	903		B299-82						Cell - Battery	3		
	904		B299-A9						Clip Assembly - Motor	1		
	905		B299-42						Insulation - Clip	1		
	906		B299-43						Clip - Motor	2		
	901		F13-63BX						Screw - No. 6-32 x 3/16 bind. hd brass black nickel	2		
	909		500-6-10						Screw - No. 6-32 x 5/8 long steel fill hd rustproof	2		
	908		B299-120						Spacer - Terminal board	1		
	881		AN960-6						Washer - No. 6 steel plain rustproof	2		
	910		B299-121						Insulator - Terminal board	1		
	179		AN935-6L						Washer - No. 6 steel lock (light series) rustproof	2		
	944		B299-44						Cover	1		
	1720		B326-8						Pin - Filter bayonet	3		
	925		B272-A24						Shaft Assembly - Drive coupling	1		
	926	*	B272-70						Shaft	1		
	927		403B1						Spring	1		
	928		2097						Pin	1		
43	1725		E325-A1						Shutter Assembly - Lens	1		
	1726		C325-A2						Cover Assembly - Case and (mach dwg)	1		
43	1727	*	E325-1						Case - Shutter	1		
43	1728	*	E325-2						Cover - Shutter	1		
43	1729		501-10-8						Screw - No. 10-32 x 1/2 fill hd steel rustproof	3		
43	212		AN935-10L						Washer - No. 10 lock steel rustproof	3		
	1731		A132-95						Dowel - .125 x 5/8 drill rod rustproof	1		
	1732	*	C325-3						Lens	1		
44	1733		189A86						Cam - Lens locking	2		
44	1734		500-8-4						Screw - 8-32 x 1/4 fill hd dull chrome plate	2		
44	708		AN935-8L						Washer - No. 8 lock steel dull chrome plate	2		
	1736		11200B						Pivot Assembly - Shutter cam stop	1		
	1737	*	B130-107						Pivot - Cam stop	1		
	1738	*	B130-108						Nut - Pivot	1		
	1739		B130-120						Pin - Taper (annealed)	1		
	1740		385-60-6						Pin - Taper no. 6/0 x 3/4 steel	-		
	1741		B130-106						Washer - Fulcrum riveting	1		





1725

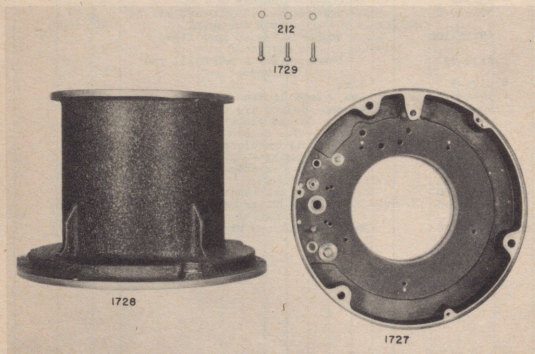


Figure 43

## SECTION II—GROUP ASSEMBLY PARTS LISTS

GROUP Type F-56 Aircraft Camera										PROPERTY CLASSIFICATION				
FIG. NO.	INDEX NO.	SYMBOL	MAJOR ASSEMBLY Shutter Assembly - 40 In. (Speeds 1/35, 1/50, 1/100, 1/150)						U.S. NAVY	U.S. ARMY	BRITISH			
			PART NUMBER	1	2	3	4	5	6	NOMENCLATURE	UNITS PER ASSY			
	1742		C325-A3							Housing Assembly - Complete	1			
	1743		C325-A4							Leaf Assembly - Complete	1			
44	1744		C325-A5							Housing Assembly	1			
	1745		C325-A15							Housing Assembly - Shutter leaf (lower)	1			
	1746		* E325-4							Housing - Leaf center (lower)	1			
	1747		* B156-206							Bushing - Shutter leaf (lower)	5			
44	1748		C325-A16							Housing Assembly - Leaf center (upper)	1			
	1749		* E325-5							Housing - Leaf center (upper)	1			
	1750		* B130-70							Bushing - Shutter leaf (upper)	5			
44	212		AN935-10L							Washer - No. 10 lock steel rustproof	4			
44	1752		270A2							Screw - Leaf center cstg	4			
	1753		269A2							Dowel - .1875 x 9/16 long stain. steel	2			
44	1754		9646D							Leaf Assembly	1			
	1755		* B130-99							Link - No. 1-5 connecting	1			
	1756		* B156-429							Leaf - No. 1 shutter	1			
	1757		* B130-101							Spacer - No. 1 lower	1			
	1758		* 74A2							Spacer - No. 1 upper	1			
	1759		* 56A2							Rivet - No. 1 spacer	3			
	1760		* B130-102							Link - No. 1 drive	1			
	1761		* B130-100							Rivet - No. 1 drive	1			
	1762		* B156-416							Lever - No. 1	1			
	1763		* 57A2							Rivet - No. 1 lever	1			
	1764		* 55A2							Pivot - No. 1	1			
	1755		* B130-99							Link - No. 1-2 connecting	1			
	1766		* 265A2							Leaf - No. 2 shutter	1			
	1767		* 62A2							Spacer - No. 2 lower	1			
	1768		* 278A2							Spacer - No. 2 upper	1			
	1769		* 64A2							Rivet - No. 2 spacer	3			
	1770		* B156-417							Lever - No. 2	1			
	1763		* 57A2							Rivet - No. 2 lever	1			
	1764		* 55A2							Pivot - No. 2	1			
	1773		* 59A2							Link - No. 2-3 connecting	1			
	1766		* 265A2							Leaf - No. 3 shutter	1			
	1775		* 54A2							Spacer - No. 3 lower	1			
	1768		* 278A2							Spacer - No. 3 upper	1			
	1777		* 72A2							Rivet - No. 3 spacer	3			
	1778		* B156-418							Lever - No. 3	1			
	1763		* 57A2							Rivet - No. 3 lever	1			
	1764		* 55A2							Pivot - No. 3	1			
	1773		* 59A2							Link - No. 3-4 connecting	1			
	1766		* 265A2							Leaf - No. 4 shutter	1			
	1783		* 70A2							Spacer - No. 4 lower	1			

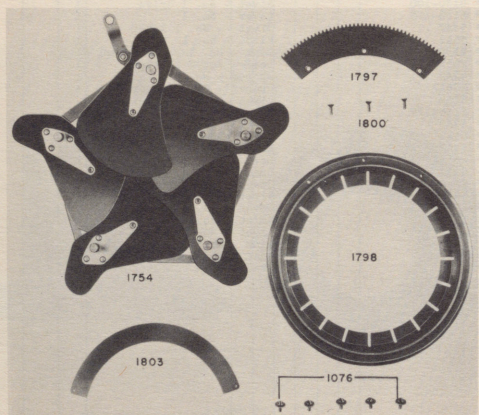
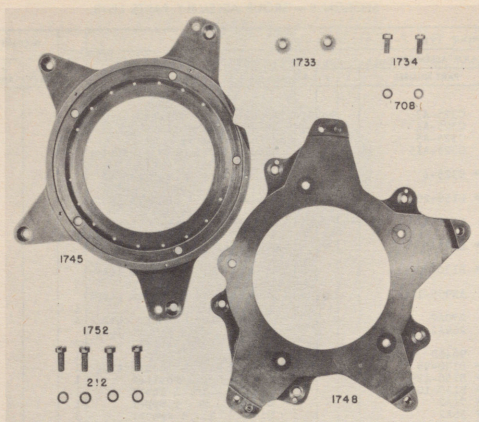


Figure 44



## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	GROUP	Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION			
			MAJOR ASSEMBLY Shutter Assembly - 40 In. (Speeds 1/35, 1/50, 1/100, 1/150)							U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
	1768		* 278A2						Spacer - No. 4 upper	1			
	1785		* 82A2						Rivet - No. 4 spacer	3			
	1786		* 279A2						Lever - No. 4	1			
	1763		* 57A2						Rivet - No. 4 lever	1			
	1764		* 55A2						Pivot - No. 4	1			
	1773		* 59A2						Link - No. 4-5 connecting	1			
	1766		* 265A2						Leaf - No. 5 shutter	1			
	1791		* 88A2						Spacer - No. 5 lower	1			
	1768		* 278A2						Spacer - No. 5 upper	1			
	1793		* 90A2						Rivet - No. 5 spacer	3			
	1794		* 53A2						Lever - No. 5	1			
	1763		* 57A2						Rivet - No. 5	1			
	1764		* 55A2						Pivot - No. 5	1			
44	1797		B325-6						Segment - Diaphragm	1			
44	1798		C325-7						Housing - Diaphragm	1			
45	1799		B325-8						Ring - Diaphragm retaining	1			
44	1800		505-B2-4						Screw - No. 2-56 x 1/4 long filthd brass black oxide	3			
45	1801		500-B6-3						Screw - No. 6-32 x 3/16 fil hd brass black nickel plate	1			
44	1076		A91-208						Screw	5			
44	1803		B325-A13						Leaf Assembly - Diaphragm	20			
	1804		* B156-96						Leaf - Diaphragm	20			
	1805		* B325-35						Stud - Leaf	40			
45	1806		500-10-10						Screw - No. 10-24 x 5/8 fil hd steel rustproof	5			
45	1807		AN340-10						Nut - No. 10-24 hex steel rustproof	5			
45	212		AN935-10L						Washer - No. 10 lock - steel rust- proof	5			
	1809		B130-74						Dowel - .125 dia. x 3/8 long drill rod rustproof	3			
45	1810		B325-A3						Gear Assembly - Diaphragm adj	1			
	1811		* B325-13						Gear - Diaphragm adj (lower)	1			
	1101		* 385-60-5						Pin - No. 6/0 x 5/8 long taper steel rustproof	1			
	1813		* B325-14						Shaft - Diaphragm adjusting	1			
	1814		* B325-15						Gear - Diaphragm adj (upper)	1			
	473		F76-60-7						Pin - No. 6/0 x 7/16 long taper rustproof	1			
45	1816		B325-16						Gear - Diaphragm adjusting idler	1			
45	1817		B325-17						Shaft - Diaphragm coupling	1			
45	705		B299-6						Pin - Coupling shaft	1			
45	1819		B325-18						Plate - Bearing	1			
	1820		B325-19						Dowel - .092 x 3/8 drill rod rust- proof	2			
45	1821		500-8-6						Screw - No. 8-32 x 3/8 fil hd steel rustproof	2			
45	143		AN935-8L						Washer - No. 8 lock steel rustproof	2			
	1823		10A130						Gasket - Case	1			
	1824		135A2						Pivot - Lock trip lever	1			

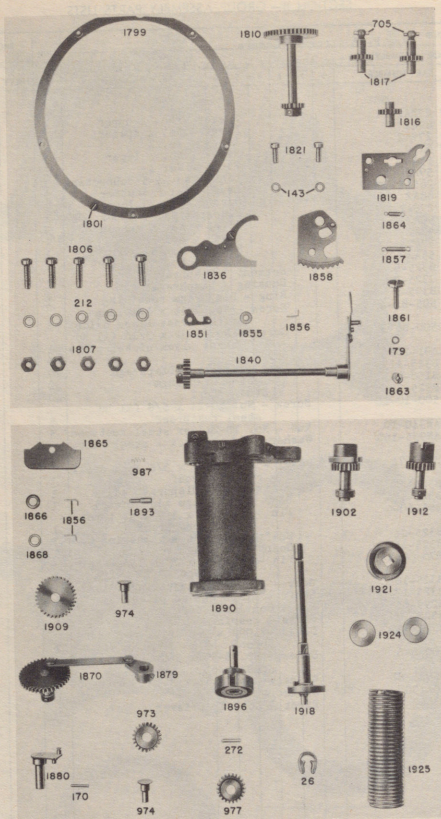


Figure 45

## SECTION II—GROUP ASSEMBLY PARTS LISTS

GROUP Type F-56 Aircraft Camera										PROPERTY CLASSIFICATION		
FIG. NO.	INDEX NO.	MAJOR ASSEMBLY	Shutter Assembly - 40 In. (Speeds 1/35, 1/50, 1/100, 1/150)						UNITS PER ASST	U.S. NAVY	U.S. ARMY	BRITISH
PART NUMBER			1	2	3	4	5	6	NOMENCLATURE			
	1825	B325-10							Plate - Engraving name	1		
	1826	11551B							Plate - Blank name	-		
	1827	AN302-16-4							Pin - No. 16 (.062) x 1/2 brass - escut nickel plate	4		
	1828	B130-81							Bearing - Shutter cam shaft	1		
	1829	244A2							Pivot - Retard pallet	1		
	1830	240A2							Pivot - Retard segment	1		
	1831	B325-27							Bushing - Shutter trip shaft	1		
	1832	AN420-3-5							Rivet - 3/32 x 5/16 c/sunk hd iron rustproof	3		
	1833	B156-382							Plate - Shutter spring tension	1		
	1085	14,050B							Plate - Blank	1		
	1835	AN302-16-3							Pin - Escut no. 16 (.062) dia. x 3/8 long brass nickel plate	2		
45	1836	B132-R26							Lever Assembly - Shutter cam stop	1		
	1837	* B130-93							Lever - Cam stop	1		
	1838	268							Pin - Lever stop	2		
	1839	B130-117							Pin - Lever guide	1		
45	1840	B325-A7							Lever Assembly - Cam stop release	1		
	1841	* 71A1							Lever - Actuating	1		
	1842	* B325-11							Shaft - Actuating lever	1		
	1843	* 864A1							Pin - Shaft stake	1		
	1844	* B132-331							Lever - Release	1		
	1845	* 319							Pivot - Cam stop release lever	1		
	1846	* 271							Pin - Stop	1		
	1847	* 270							Pin - Release lever spring	1		
	272	385-50-4							Pin - No. 5/0 x 1/2 taper steel rustproof	1		
	977	* B91-256							Gear - Shutter cam operating spring winding	1		
	1850	B325-65							Bushing - Actuating lever shaft	1		
45	1851	10205P							Lever Assembly - Cam stop trip	1		
	1852	* 78A1							Lever - Cam stop trip	1		
	1853	* 272							Pin - Lever spring	1		
	1854	* 79A1							Hub - Lever	1		
45	1855	639							Washer - Lever	1		
45	1856	276A2							Pin - Washer	1		
45	1857	813							Spring - Release lever	1		
45	1858	10203P							Segment Assembly	1		
	1859	* 239A2							Segment - Shutter retard	1		
	1860	242A2							Pin - Segment spring	1		
45	1861	241A2							Screw - Retard segment	1		
45	179	AN935-6L							Washer - Lock no. 6 steel - rust- proof	1		
45	1863	38A132							Nut - Retard segment screw lock	1		
45	1864	237A2							Spring - Control arm	1		
45	1865	280A2							Pallet - Retard	1		
45	1866	277A2							Washer - Retard pallet	1		
45	1856	276A2							Pin - Washer	1		
45	1868	257A2							Washer - Drive link	1		



## SECTION II—GROUP ASSEMBLY PARTS LISTS

GROUP Type F-56 Aircraft Camera										PROPERTY CLASSIFICATION			
FIG. NO.	INDEX NO.	1 2 3 4 5 6	MAJOR ASSEMBLY Shutter Assy - 40 In. (Speeds 1/35, 1/50, 1/100, 1/150)						UNITS PER ASSY	U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
45	1856		276A2							Pin - Washer	1		
45	1870		B325-A9							Arm Assembly - Retard adjusting	1		
	1871	*	B325-20							Shaft - Retard adj. intermediate gear	1		
	1021		* B298-10							Collar	1		
	1022		F76-60-6							Pin - No. 6/0 x 3/8 long taper steel rustproof	1		
	1874	*	B325-21							Gear - Retard adj. intermediate	1		
	1875	*	B325-22							Link - Retard adjusting	1		
	1876	*	B325-64							Pivot - Link	2		
	1877	*	B325-23							Arm - Segment control upper	1		
	1878	*	B325-24							Pin	1		
45	1879		F11-E42							Screw - 4-40 x 1/8 headless set	1		
45	1880		B325-A10							Arm Assembly - Segment control lower	1		
	1881	*	B325-25							Shaft - Segment control arm	1		
	1882	*	B325-26							Arm - Segment control lower	1		
	1878	*	B325-24							Pin	1		
	1884	*	236A2							Pin - Control arm setting	1		
	1885	*	238A2							Pin - Control arm spring	1		
45	1817		B325-17							Shaft - Coupling	1		
45	705		B299-6							Pin - Coupling shaft	1		
45	170		385-60-4							Pin - No. 6/0 x 1/2 long taper steel rustproof	1		
	1889		C325-A11							Housing Assembly - Shutter cam spring (complete)	1		
45	1890		B325-A19							Chamber Assembly - Spring	1		
	1891	*	D325-29							Housing - Spring	1		
	1892	*	B325-30							Bushing - Housing	1		
45	1893		277							Plunger - Housing lock	1		
45	987		815							Spring - Lock plunger	1		
	1895		B325-31							Cup - Upper	1		
45	1896		B325-34							Bearing - Needle	1		
45	977		B91-256							Gear - Shutter cam operating spring winding	1		
45	272		385-50-4							Pin - No. 5/0 x 1/2 taper steel rustproof	1		
45	973		9A15							Gear - Spring wind intermediate	1		
45	974		10A15							Shaft - Spring wind intermediate	1		
	1901		566D8-3							Screw - No. 8-32 x 3/16 hdless set	1		
45	1902		B325-A17							Clutch Assembly - Operating spring	1		
	1903	*	B325-66							Clutch - Spring	1		
	1130	*	283							Pin - Clutch	1		
	980	*	13A15							Gear	1		
	982	*	14A15							Pin - Gear	2		
	984	*	17A15							Collar - Shaft	1		
	272		385-50-4							Pin - No. 5/0 x 1/2 taper steel rustproof	1		

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK NO.	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
			MAJOR ASSEMBLYControl Assembly - 40 In. Diaphragm							U.S. NAVY	U.S. ARMY	BRITISH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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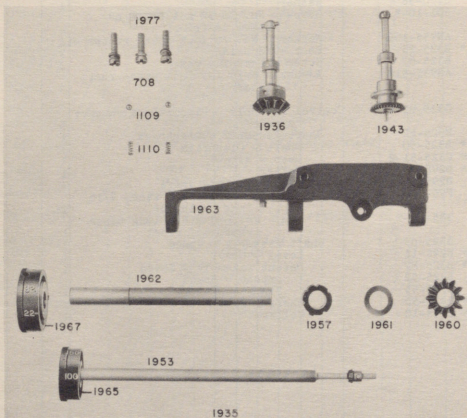
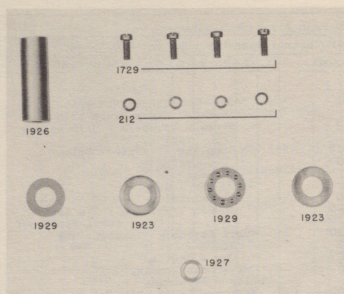


Figure 46



## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK NUMBER	GROUP F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Control Assembly - 40 In. Diaphragm							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
	705		B299-6					Pin - Coupling drive	1			
	473		F76-60-7					Pin - No. 6/0 x 7/16 long steel rustproof	3			
46	169		F79-2-6					Pin - Dowel .187 long	1			
	1953		B325-B4					Shaft Assembly - Speed	1			
	1954	*	B325-54					Shaft	1			
	1955	*	B298-2					Bevel - Gear	1			
	1956		F76-60-4					Pin - No. 6/0 x 1/4 long steel rustproof	1			
46	1957		B325-B5					Stop Assembly - Diaphragm detent &	1			
	1947		B325-55					Pin - Stop	1			
	1959	*	B325-56					Stop - Detent &	1			
46	1960		C325-51-1					Gear - Miter	1			
46	1961		B325-57					Washer - Thrust	1			
46	1962		B325-58					Shaft - Hollow	1			
46	1963		C325-59					Bracket - Diaphragm & speed	1			
	1107		F22-G-62					Screw - No. 6-32 hdless set steel rustproof 1/8 in. long	2			
46	1965		C298-8-4					Knob - Retard	1			
	1112		F22-G-64					Screw - No. 6-32 hdless set steel rustproof 1/4 in. long	1			
46	1967		C298-9-4					Knob - Diaphragm	1			
	1101		385-60-5					Pin - No. 6/0 x 5/8 long steel taper rustproof	1			
46	1109		B281-254					Ball	2			
46	1110		B281-255					Spring	2			
	1971		F11-H84					Screw - No. 8-32 x 1/4 in. long hdless set steel rustproof	2			
	1972		B325-62					Pin - Stop	1			
47	1973		B325-B6					Shaft Assembly - Drive coupling	2			
	1974	*	B325-60					Shaft - Drive coupling	2			
	1975		B325-61					Spring - Drive coupling shaft	2			
	928		2097					Rivet	2			
46	1977		F6-89RP					Screw - No. 8-32 x 9/16 in. fil hd steel rustproof	3			
46	708		AN935-8L					Washer - Lock no. 8 steel rustproof	3			
47	1979		C326-B3					Connector Assembly - Wind	1			
	1980		B326-B4					Rod Assembly - Wind	1			
	1981	*	B326-B5					Tube Assembly - Wind rod	1			
	1982	*	B326-37					Tube - Wind rod	1			
	1129	*	B356-432					Coupling - Shaft	1			
	1516		B356-224					Pin - Drive rod dowel	1			
	1517	*	B356-441					Plug - Spring	1			
	1133		870					Spring	1			
	1134	*	B356-434					Guide - Coupling rod spring	1			
	1135		B356-435					Pin - Spring guide	1			
	1521	*	B324-19					Rod - Long trip coupling	1			
	1136	*	B356-436					Collar - Coupling rod	1			
	1991		B326-B6					Tube Assembly - Lower wind	1			
	1992	*	B326-33					Tube - Lower	1			

# SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK NUMBER	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Rod Assembly - 40 In. Wind and Trip							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
	1993		* B326-38					Ball - 40 in. coupling	1			
	329		385-50-3					Pin - No. 5/0 x 3/8 long steel taper	2			
	1995		* B326-39					Joint - Universal	1			
	1996		B326-34					Bearing	1			
	32		F76-50-7					Pin - No. 5/0 x 7/16 long steel taper	1			
47	1998		B326-B8					Rod Assembly - Trip	1			
	1999		* B326-B7					Tube Assembly - Trip rod	1			
	2000		* B326-40					Tube - Trip rod	1			
	1129		* B356-432					Coupling - Shaft	1			
	1130		283					Pin	2			
	1131		* B272-89					Ball - Trip coupling	1			
	32		F76-50-7					Pin - No. 5/0 x 7/16 long steel taper	1			
	1516		B356-224					Pin - Drive rod dowel	1			
	1517		* B356-441					Plug - Spring	1			
	1133		870					Spring	1			
	1134		* B356-434					Guide - Coupling rod spring	1			
	1135		B356-435					Pin - Spring guide	1			
	1533		* B324-18					Rod - Long trip coupling	1			
	1136		* B356-436					Collar - Coupling rod	1			
47	2012		E212-C1					Mount Assembly	1			
	2013		B212-C2					Yoke Assembly - Mount	1			
	2014		* B212-403					Tube	1			
	2015		* B212-402					Flange	2			
	2016		* B212-400					Plug	1			
	2017		* B212-401					Stud	2			
	2018		* B212-417					Pin	1			
	2019		* B212-412					Dowel	4			
	2020		* B212-418					Pin	2			
48	2021		B212-C3					Ring Assembly - Outer split	1			
48	2022		D212-407					Ring	1			
47	2023		B212-413					Stud	2			
47	2024		385-30-7					Pin - No. 3/0 steel taper 7/8 long	2			
48	2025		B212-420					Shim - Outer split ring	2			
48	2026		B212-414					Screw - Hex hd rustproof	4			
48	2027		935-416L					Washer - 1/4 in. long (light steel) rustproof	4			
47	2028		D212-405					Channel	4			
47	2029		AN75-4					Bolt - 5/16 in. -24 x 12 in. steel hex drilled head rustproof	2			
47	2030		995-C40-6					Wire - .040 in. dia. x 6 in. long copper locking	2			
47	2031		B328-56					Cushion - Camera mount	2			
47	2032		B250-296					Washer	4			
47	2033		B250-289					Washer - Felt	4			

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK NUMBER	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Mount Assembly - Oblique Camera							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6			
47	2034		330-5					Nut - 5/16 in. 24 steel castle rustproof	2			
	2035		380-3-3					Pin - 3/32 x 3/4 in. long steel cotter rustproof	2			
47	2036		B212-411					Washer	2			
47	2037		B212-415					Nut - 1/2 in. 13 machine hex rust-proof	2			
47	2038		935-816L					Washer - 1/2 in. "light" steel lock rustproof	2			
43	2039		B212-409					Lining - Lower ring	1			
48	2040		B212-410					Lining - Upper ring	1			
	2041		B212-C4					Ring Assembly - Inner split	1			
	2042		D212-408					Ring	1			
	2043		B212-416					Lining	2			
	2026		B212-414					Bolt - Hex hd rustproof	4			
	2027		935-416L					Washer - 1/4 in. light steel rustproof	4			
47	2046		501-10-4					Screw - No. 10-32 x 1/4 in. fil hd steel rustproof	8			
47	212		935-10L					Washer - No. 10 steel lock rust-proof	8			
	2048		B212-404					Plate - Name	1			
	1826		11551B					Blank - Name plate	1			
	2050		F3-00-2					Screw - No. 00 (.058 in.) x 1/8 long type "U" drive	4			
47	2051		B212-419					Lining - Rubber	1			
	2052		10620C					Filter Assembly - Lens	1			
48	2053		10620C-3					Filter Assembly - Lens (minus blue) no. 12	1			
			or									
48	2054		10620C-4					Filter Assembly - Lens no. 25-A red	1			
			or									
48	2055		10620C-5					Filter Assembly - Lens infra red no. 89A	1			
	2056		1A44					Housing - Filter	1			
	2057		C44-15-3					Filter - Lens (minus blue) no. 121	1			
			or									
	2058		C44-15-4					Filter - Lens no. 25-A red	1			
			or									
	2059		C44-17					Filter - Gelatine between glass infra red no. 89A	1			
	2060		B44-13					Spacer - Filter	1			
	2061		C44-12					Ring - Expansion	1			
	2062		2A44					Ring - Retaining	1			
	2063		566-B-22					Screw - Halless set cone point no. 2-56 x 1/8 in.	1			
	2064		B44-1A					Lock Assembly - Filter holder	1			
	2065		4A44					Lock - Filter holder	1			





## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	SYMBOL	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Filters							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
	2066		5A44						Pivot - Lock	1		
	2067		6A44						Support - Lock pivot	1		
	2068		8A44						Spring - Filter holder lock	1		
	2069		515-2-2						Screw - No. 2-56 x 1/8 RH steel nickel plate	2		
	2070		B44-16						Spacer for unit 44 filter	-		
48	2071		C77-1A-2						Filter Assembly - Lens (minus blue) no. 12	1		
			or									
48	2072		C77-1A-3						Filter Assembly - Lens (A-red) no. 25	1		
			or									
48	2073		C77-1A-6						Filter Assembly - Lens infra red no. 89A	1		
	2074		C77-3						Housing - Lens filter	1		
	2075		C77-15-2						Filter - Lens (minus blue) no. 12	1		
			or									
	2076		C77-15-3						Filter - Lens (A-red) no. 25	1		
			or									
	2077		C77-23						Filter - Gelatin between glass infra red no. 89A	1		
	2078		C77-1						Ring - Lens filter expansion	1		
	2079		B77-4						Ring - Lens filter retaining	1		
	2080		566-B2-2						Screw - Hdless set cone point no. 2-56 x 1/8	1		
	2081		B77-7						Spring - Catch	1		
	2082		B77-8						Catch - Lens filter	1		
	2083		B77-9						Pin - Brass .064 dia. x 7/16 long	1		
	2084		11429B-3						Label - Filter (A-red) no. 25	1		
			or									
	2085		11429B-4						Label - Filter (minus blue) no. 12	1		
	2086		B77-16						Spacer - For U77 filter	1		
	2087		E77-14						Case - Type A-2A filter unit	1		
48	2088		C326-C1						Filter Assembly - (Quantities & den- sities as specified on order)	1		
	2089		D326-1						Housing - Filter	1		
	2090		C326-2						Ring - Filter retaining (mach dwg)	1		
	2091		Cl43-101						Ring - Filter retaining (casting dwg)	-		
	2092		C326-3						Ring - Filter spring	1		
	2093		B326-4						Lock - Filter	1		
	2094		B326-5						Spring - Filter lock	1		
	2095		B326-6						Knob - Filter lock	1		
	2096		B326-7						Knob - Filter	1		
	2097		Cl56-118						Lens - Filter (quantities & den- sities as required)	-		
48	2098		Cl56-421						Lens - Filter infra-red (quantities as required)	-		
	2099		F11-F22						Screw - No. 2-56 x 1/8 long cone point headless set	1		

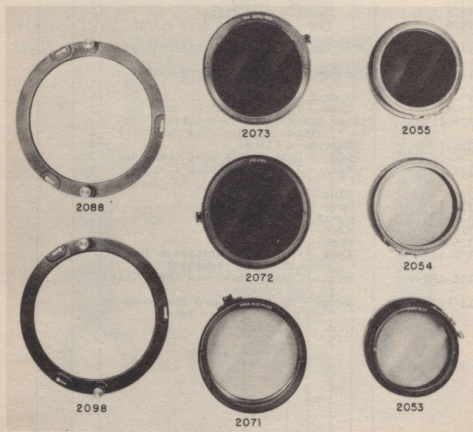
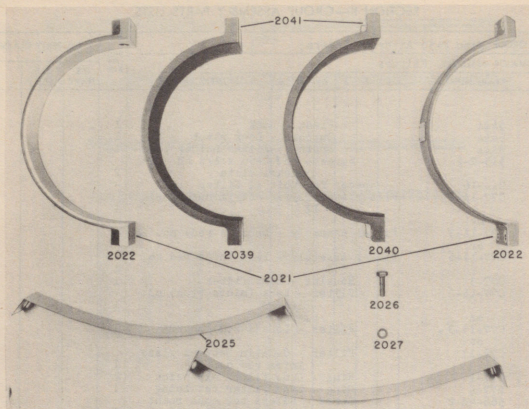


Figure 48



## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK NO.	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION			
			MAJOR ASSEMBLY Shutter Assy - 8-1/4 In. (Speeds 1/75, 1/150, 1/225)							U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
			E322-C1							Cover Assembly - Shutter case and	1		
			D322-C2							Cover Assembly - Case and (painting and machining dwg)	1		
			24A1							Gasket - Shutter case	1		
			E322-C3							Case Assembly - Shutter (riveting)	1		
			* E322-46							Case - Shutter	1		
			AN420-3-5							Rivet - 3/32 x 5/16 long c'sunk head iron rustproof	6		
			B152-106							Bushing - Shutter trip block	1		
			B152-102							Bearing - Cam shaft	1		
			B152-64							Washer - Stop riveting	1		
			B152-50							Stop - Shubber segment	1		
			B152-91							Washer - Stud riveting	2		
			B323-20							Stud - Retard pallet	1		
			B322-11							Bushing - Diaphragm adjusting shaft	1		
			AN435-3-5							Rivet - Rd-hd 3/32 dia. x 5/16 long steel	3		
			B322-7							Bushing - Shutter trip shaft	1		
			B152-82							Stud - Shubber pallet	1		
			B323-13							Block - Segment stop	1		
			B152-100							Rivet - Retard segment block	2		
			231A86							Retard - Cam stop spring	1		
			249A86							Bracer - Retard cam stop spring	1		
			AN435-3-3							Rivet - .093 x .187 long rd-hd iron	2		
			500-10-6							Screw - No. 10-24 x 3/8 fil hd steel rustproof	3		
			AN935-10L							Washer - No. 10 steel lock rustproof light series	3		
			F79-4-12							Pin - .1250 x .375 long steel dowel	1		
			* D322-48							Cover - Shutter	1		
			AN515-1032							Screw - No. 10-24 x 2 in. rd-hd steel rustproof	3		
			* B323-3							Post - Shutter locating	3		
			AN935-10L							Washer - No. 10 steel lock rustproof light series	3		
			850A1							Pin - Shutter case cover filter	3		
			B323-C6							Segment Assembly - Retard	1		
			* C323-11							Segment - Retard	1		

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	ITEM NO.	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION			
			MAJOR ASSEMBLY Shutter Assy - 8-1/4 In. (Speeds 1/75, 1/150, 1/225)							U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
			* 222-A86							Pin - Stop	1		
			* 19A28							Pin - Retard segment spring	1		
			826A1							Shaft - Retard segment	1		
			B298-41							Pin - Locking retard segment shaft	1		
			828A1							Spring - Retard segment	1		
			859A1							Screw - Segment spring	1		
			BL52-104							Pallet - Retard	1		
			AN935-4L							Washer - No. 4 steel rustproof light series lock	2		
			BL52-83							Washer	1		
			F7-38RP							Screw - No. 3-48 x 1/2 long RH steel rustproof	2		
			BL52-78							Block - Retard pallet retaining spring	1		
			B323-15							Spring - Retard pallet retaining	1		
			BL52-80							Spacer	1		
			BL52-87							Plate - Shutter spring tension name	1		
			14050B							Plate - Blank name	1		
			F67R-23-1/2							Rivet - 1/16 x .218 long rd-hd dural Thomson nickel plated type no. S-2188	2		
			C322-C4							Housing Assembly - Shutter spring	1		
			* B322-C5							Casting Assembly - Spring housing	1		
			* C322-47							Housing - Speed shutter spring	1		
			B322-57							Bushing - Idler gear lower	1		
			B322-54							Bushing - Idler gear upper	1		
			B322-56							Bushing - Cam and clutch	1		
			* B322-55							Bushing - Housing top	1		
			B322-57							Gear Assembly - Cam drive	1		
			* B322-50							Clutch - Shutter cam spring	1		
			* B322-49							Gear - Shutter cam	1		
			* BL32-140							Pin - Clutch	1		
			385-50-4							Pin - No. 5/0 x 1/2 steel taper	1		
			BL30-124							Plunger - Wind clutch lock	1		
			815							Spring - Lock plunger	1		
			B322-C8							Gear Assembly - Idler	1		
			* B322-53							Gear - Upper idler	1		
			* B322-52							Gear - Lower idler	1		
			* B322-61							Shaft - Spring housing idler	1		
			385-60-3							Pin - No. 6/0 x 3/8 steel taper	1		

## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCK NUMBER	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION			
			MAJOR ASSEMBLY Shutter Assy - 8-1/4 In. (Speeds 1/75, 1/150, 1/225)							U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5					6
			F76-60-5					Pin -	No. 6/0 x 5/16 steel taper	1			
			B322-C6					Cup Assembly -	Upper spring	1			
		*	B322-58					Cup -	Upper spring	1			
		*	B322-59					Gear -	Shutter spring wind	1			
			385-50-4					Pin -	No. 5/0 x 1/2 steel taper	1			
			B152-C8					Shaft Assembly -	Shutter cam	1			
		*	C152-59					Shaft -	Cam	1			
			B152-C9					Cam Assembly -	Shutter	1			
			B152-105					Cam -	Shutter	1			
		*	B152-42					Stud -	Cam link	1			
		*	B152-95					Lock -	Cam release	1			
		*	B152-48					Cam -	Retard	1			
			B152-38					Rivet		1			
			B152-109					Rivet -	Shutter cam	1			
		*	B152-86					Cup -	Cam shaft lower spring	1			
			385-50-3					Pin -	No. 5/0 x 3/8 steel taper	1			
			B152-70					Washer		1			
			700					Pin		1			
			B152-24					Collar -	Safety	1			
			B152-39					Spring -	Cam operating	1			
			B152-73					Bearing -	Thrust ball	1			
			B130-86-1					Spacer -	Ball bearing	1			
			B152-103					Pallet -	Snubber	1			
			B152-74					Pin -	Snubber spring	1			
			B152-75					Spring -	Snubber	1			
			B152-85					Block -	Snubber pallet retaining spring	1			
			B152-79					Spring -	Snubber pallet retaining	1			
			B152-80					Spacer		1			
			F7-310RP					Screw -	No. 3/48 x 5/8 long steel rustproof	2			
			AN340-3					Nut -	No. 3 steel rustproof	2			
			AN935-4L					Washer -	No. 4 steel rustproof light series lock	2			
			500-6-5					Screw -	No. 6-32 x 5/16 fil hd steel rustproof	3			
			310A12					Screw -	No. 6-32 x 5/16 hex head steel rustproof	1			
			AN935-6L					Washer -	No. 6-32 steel lock rustproof light series	4			
			B298-124					Shaft -	Trip control	1			
			B298-55-1					Collar -	Trip control shaft	1			
			B298-A7					Actuating Assembly -	Trip	1			
			C298-56					Lever -	Trip actuating	1			
			B298-57					Pin -	Cam stop release	1			
			B298-58					Spacer -	Shutter cam stop	2			
			B298-58-1					Spacer		1			
			B152-44					Stop -	Shutter cam	1			
			B335-95					Shim -	Shutter cam stop	2			
			B298-41					Pin -	Locking retard segment shaft	1			
			B152-C4					Segment Assembly -	Snubber	1			
		*	B152-55					Segment -	Snubber	1			
		*	B152-54					Lock -	Cam stop	1			
			B152-57					Rivet		2			
			B152-96					Pin -	Shutter cam stop locking	1			



# SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	SYMBOL	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Shutter Assy - 8-1/4 In. (Speeds 1/75, 1/150, 1/225)							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
			B152-C11							1		
			* B152-49							1		
			* B152-45							1		
			* 325B1							1		
			385-50-4							1		
			B323-C9							1		
			* B150-205							1		
			* B322-8							1		
			* B323-17							1		
			F79-2-6							1		
			* B298-10							1		
			385-60-3							1		
			* 224A86							1		
			225A86							1		
			B323-C8							1		
										1		
			* B322-9							1		
			* B323-12							1		
			* F79-2-6							1		
										1		
			* B298-10							1		
			385-60-3							1		
										1		
			B322-12							1		
			F67R-23 1/2							1		
										4		
			B150-218							1		
			6187A							2		
			500-8-5							2		
										2		
			AN935-8L							2		
										1		
			C323-C4							2		
			C152-C17							1		
			* B152-26							1		
			* B152-27							1		
			* 133A28							5		
			* B152-28							5		
			* 139A28							5		
			* B152-29							1		
			* 135A28							4		
			* 870A1							12		
			* 870A-1-1							3		
			* 858A1							1		

# SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	STOCKED	GROUP Type F-56 Aircraft Camera							UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Shutter Assy - 8-1/4 In. (Speeds 1/75, 1/150, 1/225)								U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6				
			* B152-31						Spacer - No. 1 lower rotor plate	1			
			* 857A1						Spacer - No. 2 upper rotor plate	1			
			* 874A1						Spacer - No. 2 lower rotor plate	1			
			* 856A1						Spacer - No. 3 upper rotor plate	1			
			* 873A1						Spacer - No. 3 lower rotor plate	1			
			* 855A1						Spacer - No. 4 upper rotor plate	1			
			* 872A1						Spacer - No. 4 lower rotor plate	1			
			* 876A1						Spacer - No. 5 upper rotor plate	1			
			* 871A1						Spacer - No. 5 lower rotor plate	1			
			C152-C19						Housing Assembly - Shutter leaf top	1			
			C152-32						Housing - Shutter leaf top	1			
			B152-40						Bushing - Leaf pivot top	5			
			C323-C7						Housing Assembly - Bottom	1			
			C152-C20						Housing Assembly - Bottom (bushing)	1			
			C152-35						Housing - Bottom	1			
			B152-22						Bushing - Leaf pivot bottom	5			
			B91-205						Sector - Adjusting	1			
			505-B2-3						Screw - No. 2-56 x 3/16 flthd brass black oxidized	3			
			A91-1F						Leaf Assembly - Iris diaphragm	20			
			* A91-214						Leaf - Diaphragm	20			
			* A91-215						Stud - Leaf	40			
			C152-33						Housing - Iris diaphragm	1			
			B322-A7						Ring Assembly - Retaining	1			
			* B322-14						Ring - Shutter diaphragm retaining	1			
			* A91-207						Pin - Stop	2			
			A91-208						Screw - Retaining ring	3			
			500-2-3						Screw - No. 2-56 x 3/16 long steel fil hd	1			
			B91-201						Screw - Housing	4			
			AN935-10L						Washer - No. 10 steel lock rustproof light series	4			
			293A53						Dowel - Housing	2			
			F79-4-12						Dowel - 1/8 x .375 long	3			
			819A1						Nut - Housing screw chem black	4			
			AN935-8L						Washer - Lock chem black light series	4			
			B152-68						Screw - Chem black	4			

# SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	SYMBOL	GROUPType F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLYShutter Assembly - 20 In. (Speeds 1/75, 1/150, 1/225)							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
			E323-C1						Cover Assembly - Shutter case and	1		
			D323-C2						Cover Assembly - Case and (paint- ing & machining dwg)	1		
			24A1						Gasket - Shutter case	1		
			E323-C3						Case Assembly - (Shutter rivet- ing)	1		
			* E323-10						Case - Shutter	1		
			AN420-3-5						Rivet - 3/32 x 5/16 long c/sunk hd iron rust- proof	6		
			B152-106						Bushing - Shutter trip block	1		
			B152-102						Bearing - Cam shaft	1		
			B152-64						Washer - Stop riveting	1		
			B152-50						Stop - Snubber segment	1		
			B152-91						Washer - Stud riveting	2		
			B323-20						Stud - Retard pallet	1		
			B322-11						Bushing - Diaphragm adjusting shaft	1		
			AN435-3-5						Rivet - rd-hd 3/32 dia. x 5/16 long steel	3		
			B322-7						Bushing - Shutter trip shaft	1		
			B152-82						Stud - Snubber pallet	1		
			B323-13						Block - Segment stop	1		
			B152-100						Rivet - Retard segment block	2		
			231A86						Retard - Cam stop spring	1		
			249A86						Bracer - Retard cam stop spring	1		
			AN435-3-3						Rivet - .093 x .187 long rd- hd iron	2		
			500-10-6						Screw - No. 10-24 x 3/8 rust- proof steel fil hd	3		
			AN935-10						Washer - No. 10 rustproof steel lock light series	3		
			F79-4-12						Pin - .1250 x .375 long steel dowel	1		
			* D323-19						Cover - Shutter	1		
			AN515-1032						Screw - No. 10-24 x 2 in. rd-hd steel rustproof	3		
			B323-3						Post - Shutter locating	3		
			AN935-10L						Washer - No. 10 steel lock rust- proof light series	3		
			B323-C6						Segment Assembly - Retard	3		
			* C323-11						Segment - Retard	1		
			* 222-A86						Pin - Stop	1		
			* 19A28						Pin - Retard segment spring	1		
			826A1						Shaft - Retard segment	1		
			B298-41						Pin - Locking retard segment shaft	1		
			828A1						Spring - Retard segment	1		
			859A1						Screw - Segment spring	1		
			B152-104						Pallet - Retard	1		



## SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	S C H E D	GROUP Type F-56 Aircraft Camera						PROPERTY CLASSIFICATION			
			MAJOR ASSEMBLY Shutter Assembly - 20 In. (Speeds 1/75, 1/150, 1/225)						U.S. NAVY	U.S. ARMY	BRITISH	
			PART NUMBER	1	2	3	4	5				6
										UNITS PER ASSY		
			AN935-4L					Washer - Lock no. 4 steel rustproof light series		2		
			B152-83					Washer		1		
			F7-38RP					Screw - No. 3-48 x 1/2 long RH steel rustproof		2		
			B152-78					Block - Retard pallet retaining		1		
			B323-15					Spring - Retard pallet retaining		1		
			B152-80					Spacer		1		
			B152-87					Plate - Shutter spring tension name		1		
			14050B					Plate - Blank name		1		
			F67R-23-1/2					Rivet - 1/16 x .218 rd-hd dural Thomson S-2138 nickel plate		2		
			B152-C8					Shaft Assembly - Shutter cam		1		
			* C152-59					Shaft - Cam		1		
			* B152-C9					Cam Assembly - Shutter		1		
			* B152-105					Cam - Shutter		1		
			* B152-42					Stud - Cam link		1		
			* B152-95					Lock - Cam release		1		
			* B152-48					Cam - Retard		1		
			* B152-38					Rivet		1		
			* B152-109					Rivet - Shutter cam		1		
			* B152-86					Cup - Cam shaft lower spring		1		
			385-50-3					Pin - No. 5/0 x 3/8 steel taper		1		
			B152-70					Washer		1		
			700					Pin		1		
			B130-86-1					Spacer - Ball bearing		1		
			B152-24					Collar - Safety		1		
			B152-39					Spring - Cam operating		1		
			B152-73					Bearing - Thrust ball		1		
			500-6-5					Screw - No. 6-32 x 5/16 fil hd steel		4		
			AN935-6L					Washer - Lock no. 6 steel light series		4		
			B323-C5					Housing Assembly - Spring		1		
			B152-C12					Casting Assembly - Housing		1		
			B152-36					Housing - Spring		1		
			B130-85					Bushing - Housing		1		
			B130-124					Plunger - Wind clutch lock		1		
			815					Spring - Plunger		1		
			10941P-1					Cup Assembly - Upper spring		1		
			* 97A1					Clutch - Shutter cam		1		
			* 278					Pin - Clutch		1		
			385-50-4					Pin - No. 5/0 x 1/2 steel taper		1		
			* 96A1-1					Cup - Spring		1		
			B152-103					Pallet - Snubber		1		
			B152-74					Pin - Snubber spring		1		
			B152-75					Spring - Snubber		1		
			B152-85					Block - Snubber pallet retaining spring		1		

# SECTION II—GROUP ASSEMBLY PARTS LISTS

FIG. NO.	INDEX NO.	SYMBOL	GROUP Type F-56 Aircraft Camera						UNITS PER ASSEMBLY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Shutter Assembly - 20 In. (Speeds 1/75, 1/150, 1/225)							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5	6			
			B152-79						Spring - Snubber pallet retaining	1		
			B152-80						Spacer	1		
			F7-310RP						Screw - No. 3/48 x 5/8 long steel rustproof	2		
			AN935-4L						Washer - No. 4 rustproof steel light series lock	2		
			AN340-3						Nut - No. 3 steel rustproof	2		
			B298-124						Shaft - Trip control	1		
			B298-55-1						Collar - Trip control shaft	1		
			B298-A7						Actuating Assembly - Trip	1		
		*	C298-56						Lever - Trip actuating	1		
		*	B298-57						Pin - Cam stop release	1		
			B298-58						Spacer - Shutter cam stop	1		
			B298-58-1						Spacer	1		
			B152-44						Stop - Shutter cam	1		
			B335-95						Shim - Shutter cam stop	2		
			B298-41						Pin - Locking retard segment shaft	1		
			B152-C4						Segment Assembly - Snubber	1		
		*	B152-55						Segment - Snubber	1		
		*	B152-54						Lock - Cam stop	1		
			B152-57						Rivet	2		
			B152-C1						Shaft Assembly - Trip lever	1		
		*	B152-49						Shaft - Trip lever	1		
		*	B152-45						Lever - Trip	1		
		*	325B1						Coupling - Trip	1		
			385-50-4						Pin - No. 5/0 x 1/2 steel taper	1		
			B152-96						Pin - Shutter cam stop locking	1		
			B323-C9						Shaft Assembly - Retard adjusting	1		
		*	B150-205						Cam - Adjusting	1		
		*	B322-8						Shaft - Retard adjusting	1		
		*	B323-17						Disc - Retard cam stop	1		
			F79-2-6						Pin - Dowel .0625 x .187 long steel	1		
		*	B298-10						Collar - Adjusting shaft	1		
			385-60-3						Pin - No. 6/0 x 3/8 steel taper rustproof	1		
		*	224A86						Stud - Retard cam	1		
			225A86						Spacer - Retard cam	1		
			B323-C8						Shaft Assembly - Diaphragm adjusting	1		
		*	B322-9						Gear - Diaphragm adjusting	1		
		*	B323-12						Shaft - Diaphragm adjusting	1		
			F79-2-6						Pin - .0625 x .187 long steel dowel	1		
		*	B298-10						Collar	1		
			385-60-3						Pin - No. 6/0 x 3/8 long steel taper rustproof	1		
			B323-4						Plate - Name (engraving)	1		
			14,564B						Holder - Name plate	1		
			F67R-23-1/2						Rivet - 1/16 x .218 long rd-hd dural nickel plate	4		

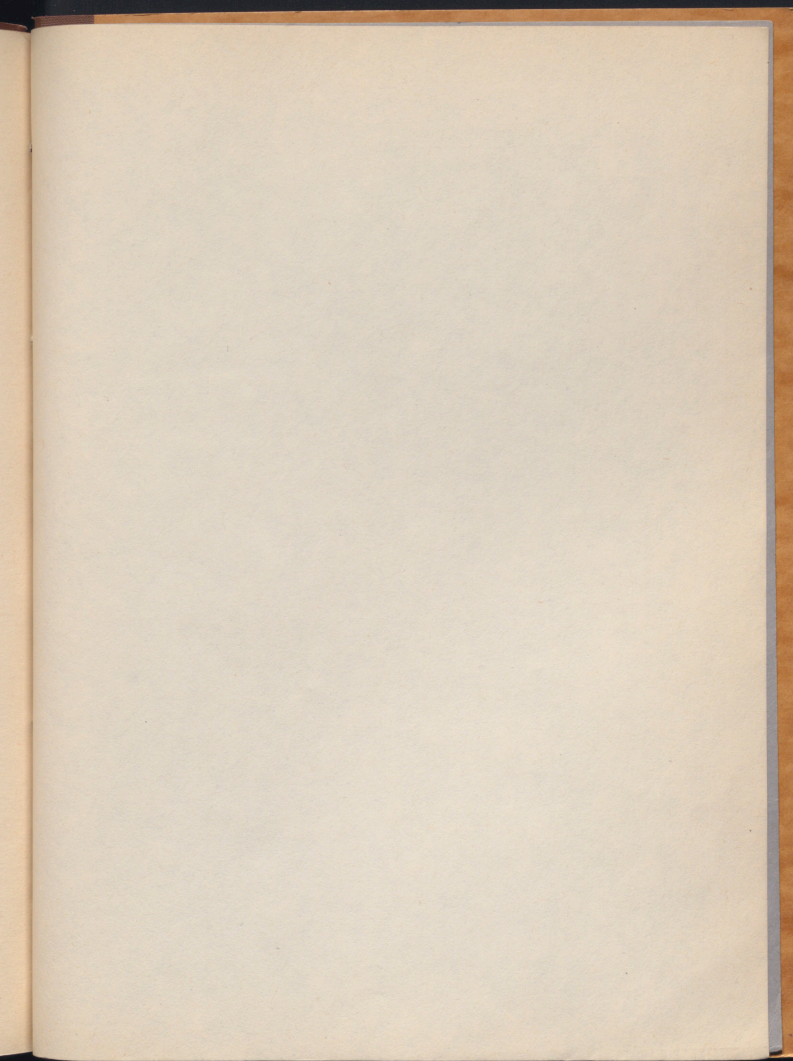
## SECTION II—GROUP ASSEMBLY PARTS LISTS

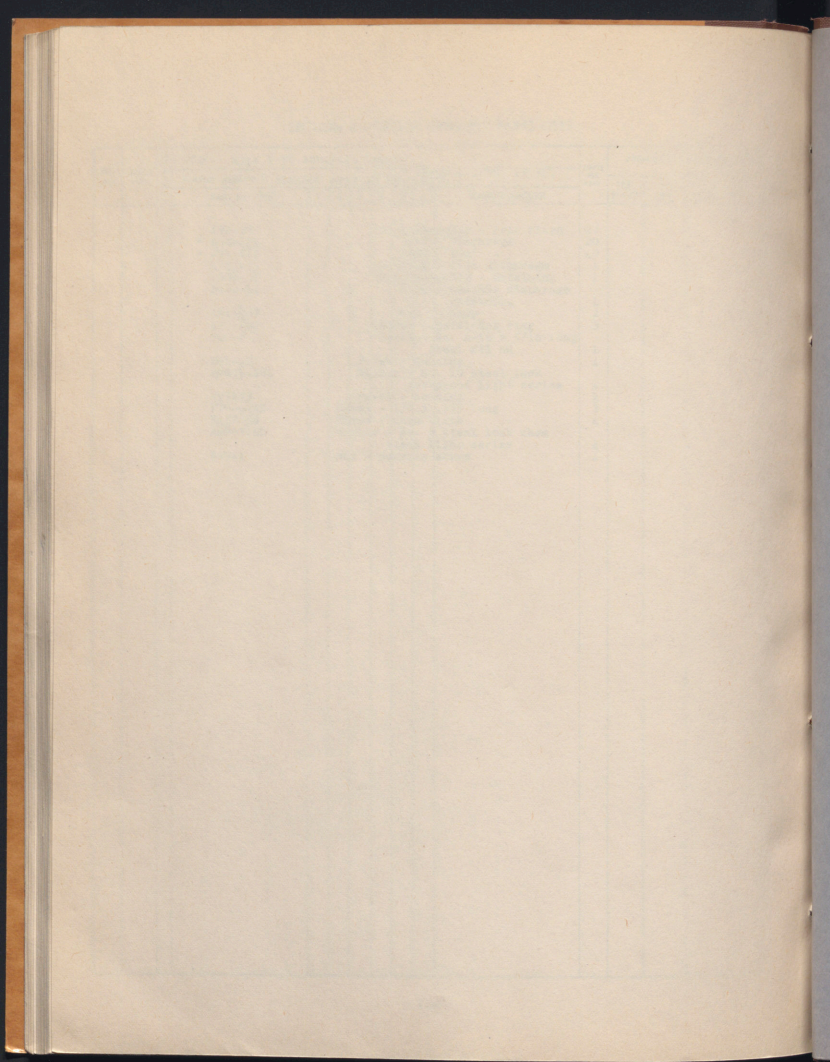
FIG. NO.	INDEX NO.	GROUP Type F-56 Aircraft Camera	MAJOR ASSEMBLY Shutter Assembly - 20 In. (Speeds 1/75, 1/150, 1/225)						UNITS PER ASSY	PROPERTY CLASSIFICATION				
			PART NUMBER	1	2	3	4	5		6	NOMENCLATURE	U.S. NAVY	U.S. ARMY	BRITISH
		C323-A3								Lens - Telephoto anastigmat 20 in. F5.6	1			
		6187A								Cam - Lens locking	2			
		500-8-5								Screw No. 8-32 x 3/12 long fil hd dull chrome plate	2			
		AN935-8L								Washer - No. 8 steel lock dull chrome plate light series	2			
		C323-C4								Leaf Assembly - Complete shutter	1			
		C152-C17								Leaf Assembly - Shutter	1			
		* B152-26								Link - Drive	1			
		* B152-27								Rivet - Drive link	1			
		* 133A28								Leaf - Shutter	5			
		* B152-28								Pivot - Shutter leaf	5			
		* 139A28								Link - Connecting	5			
		* B152-29								Plate - Rotor	1			
		* 135A28								Plate - Outer rotor	4			
		* 870A1								Rivet - Plate	12			
		* 870A1-1								Rivet - No. 1 rotor plate	3			
		* 858A1								Spacer - No. 1 upper rotor plate	1			
		* B152-31								Spacer - No. 1 lower rotor plate	1			
		* 857A1								Spacer - No. 2 upper rotor plate	1			
		* 874A1								Spacer - No. 2 lower rotor plate	1			
		* 856A1								Spacer - No. 3 upper rotor plate	1			
		* 873A1								Spacer - No. 3 lower rotor plate	1			
		* 855A1								Spacer - No. 4 upper rotor plate	1			
		* 872A1								Spacer - No. 4 lower rotor plate	1			
		* 876A1								Spacer - No. 5 upper rotor plate	1			
		* 871A1								Spacer - No. 5 lower rotor plate	1			
		C152-C19								Housing Assembly - Shutter leaf top	1			
		C152-32								Housing - Shutter leaf top	1			
		B152-40								Bushing - Leaf pivot top	5			
		C323-C7								Housing Assembly - Bottom	1			
		* C152-C20								Housing Assembly - Bottom (bushing)	1			
		C152-35								Housing - Bottom	1			
		B152-22								Bushing - Leaf pivot bottom	5			
		* B91-205								Sector - Adjusting	1			
		505-B2-3								Screw - No. 2-56 x 3/16 flthd brass black oxidize	3			



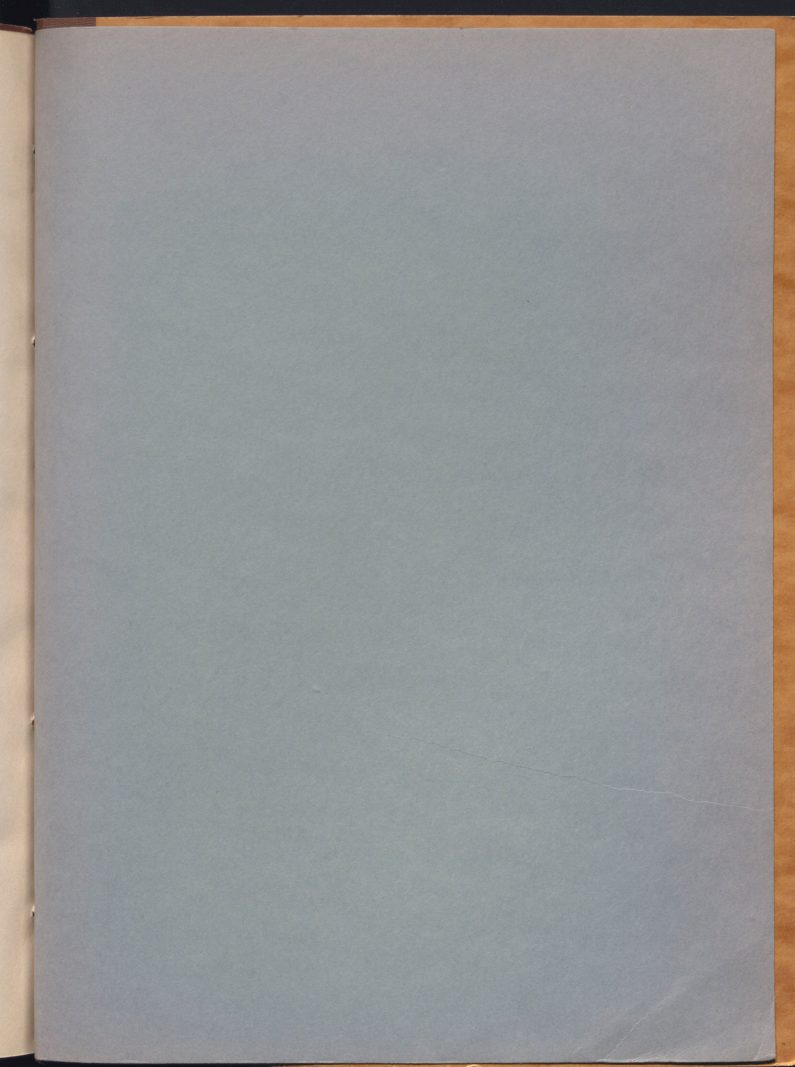
## SECTION II—GROUP ASSEMBLY PARTS LISTS

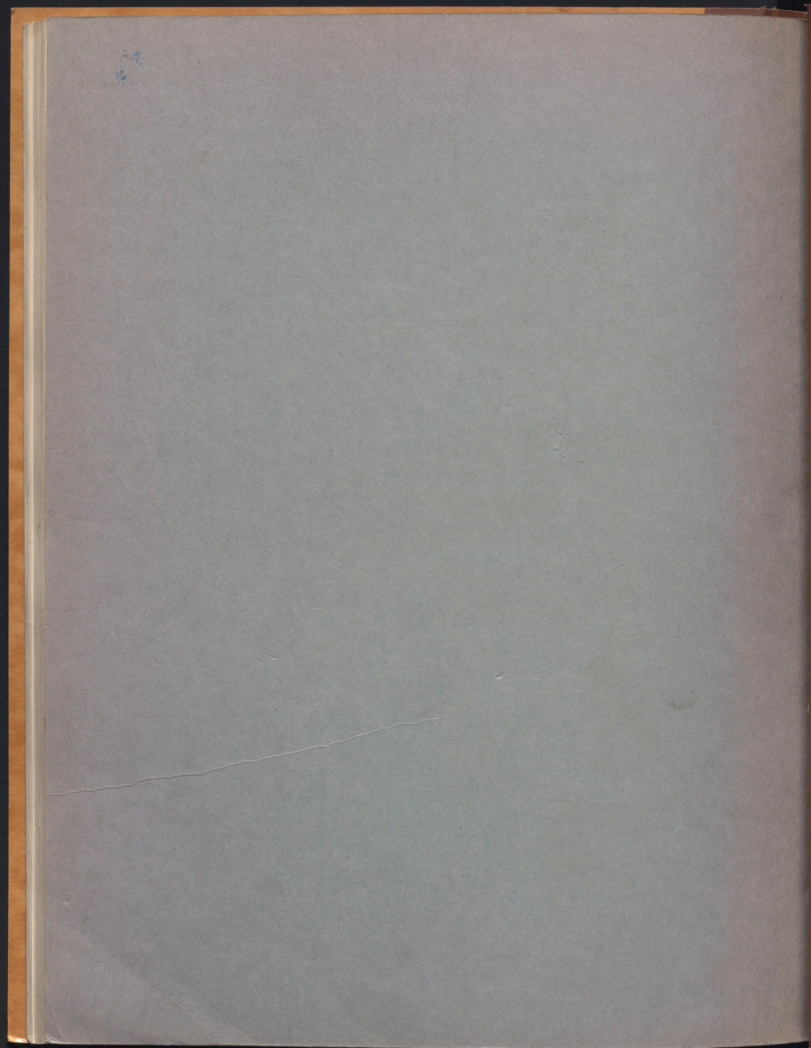
FIG. NO.	INDEX NO.	S T O C K I D	GROUP Type F-56 Aircraft Camera						UNITS PER ASSY	PROPERTY CLASSIFICATION		
			MAJOR ASSEMBLY Shutter Assy 20 In. - (Speeds 1/75, 1/150, 1/225)							U.S. NAVY	U.S. ARMY	BRITISH
			PART NUMBER	1	2	3	4	5				
			A91-1F						Leaf Assembly - Iris diaph	20		
			* A91-214						Leaf - Diaphragm	20		
			* A91-215						Stud - Leaf	40		
			C152-33						Housing - Iris diaphragm	1		
			B322-A7						Ring Assembly - Retaining	1		
			B322-14						Ring - Shutter diaphragm retaining	1		
			A91-207						Pin - Stop	2		
			A91-208						Screw - Retaining ring	3		
			500-2-3						Screw - No. 2-56 x 3/16 long steel fil hd	1		
			B91-201						Screw - Housing	4		
			AN935-10L						Washer - No. 10 steel lock rustproof light series	4		
			293A53						Dowel - Housing	2		
			F79-4-12						Dowel - 1/8 x .375 long	3		
			B152-68						Screw - Chem black	4		
			AN935-8L						Washer - No. 8 steel lock chem black light series	4		
			819A1						Nut - Housing screw	4		















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